



CHILDREN'S EDUCATION SOCIETY (Regd.)
THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)

Bommanahalli, Hosur Road, Bangalore - 560 068.

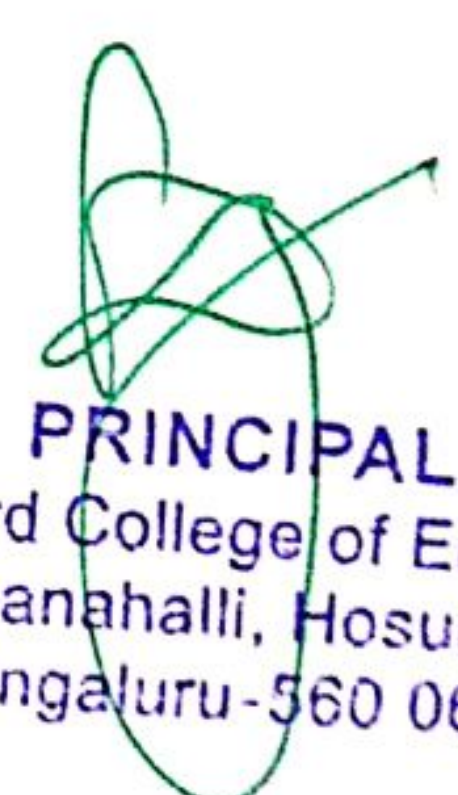
Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Annual report of the Institution and Magazine

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PRINCIPAL
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068



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ANNUAL REPORT FOR 2016-17

- I feel it proud to share with you that our college students (both UG & PG) bagged **FOURTEEN** VTU ranks for the academic year 2015-16. I once again congratulate the Rank Holders.
- First batch of Architecture students are passing out from the Dept. of Architecture during 2017-18.
- It is one of the greatest milestone that we had organized National Conference on “**SUSTAINABLE ENGINEERING AND MANAGEMENT 2017, NCSEM-2017**” on 26th & 27th May 2017. Around 400 delegates like Academicians, Scientists, Researchers and Industry professionals from around the country participated in this National Conference. 500 plus technical papers were presented from across the departments and from outside colleges.
- We are happy to inform that we got **THREE** prestigious projects, one from **Indian Council of Medical Research** for Electronics & Communication Engg. And two from **AICTE** for Computer Science & Engg. and Automobile Engg. departments worth `9,32,000/-, `11,49,000/- & 7,00,000 respectively.
- At the same time, we got **SIX** student projects from KSCST across the departments.

I once again congratulate HODs and students.



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- We have hosted VTU Inter collegiate Bengaluru Central Zone Kabaddi & Hockey (M) Tournament 2017 in the month of April 2017.
- **Quality Enhancement in Engineering Education (QEEE)** is a program funded by MHRD (Ministry of Human Resource and Development) with an objective to enhance the quality of technical education in Under Graduate courses (Bachelors) of Engineering Colleges all over India (outside the IITs and the NITs). The Oxford College of Engineering, Bangalore is one among 100 colleges in the country to be chosen to be a part of this pilot program. Our college has taken initiative to be a part of this program, so that our students will be exposed to the latest technology and pedagogical methodologies.
- Around 250 Projects from final year students were exhibited during National Conference on 27th May 2017
- Our college has been selected as centre for promoting Spoken Tutorial Project, one of the 'talk to a teacher project' supported by National Mission on Education through Information & Communication Technology (ICT), Ministry of Human Resource Development, Government of India.
- Science Quiz was conducted on 7th April 2017, Dept. of EEE students got First prize, students of Mechatronics & ECE got Second & Third place respectively.
- Maths Exhibition was organized on 11th May 2017 and around 60 projects were exhibited across the departments.



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SURVEY BY NATIONAL MAGAZINES:

DATAQUEST in its survey awarded TOCE **7th rank** amongst South Zone top 10 Private Institutes and **20th rank** amongst top private T-Schools in India

Times of India in its survey of Engineering colleges, awarded TOCE **43rd rank** in top 75 private engineering colleges and **65th rank** in top 150 engineering institutions

FOLLOWING ARE THE PROMINENT EVENTS HAPPENED AT TOCE

- Dept. of Computer Science & Engg. conducted "IMPULSE", a tech test on 5th April 2016.
- Dept. Of Electrical & Electronics Engg. conducted 3 days workshop on "Renewable Energy & Grid Integration Challenges and issues" from 20th to 22nd April 2017.
- Dept. of Biotechnology organized "Earth Day" on 21st April 2017.
- Dept. of Mechatronics started an association called "Mechatronics Engineering and Robotics Association" for the benefit of the student community on 2nd May 2017.
- Dept. of Civil Engg. conducted one-day CAD workshop on 23.09.2016.



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MAJOR COMPANIES IN OUR CAMPUS

Reputed companies like SAP labs, Tech Mahindra, IBM. Subex, HP Amazon, Book my show.com, Westline Marine, SKF, Coffeeday, Cyient visited our campus and many of our students got selected. Bookmyshow.com offered highest CTC of Rs. 7,50,000/-.

Our students have done internship at many Public Sectors and reputed companies. To mention a few, National Aerospace Laboratories, BSNL, KPTCL, 3G Network Solutions, Indian Institute of Science, Samsung, RVVLSI, CYIENT, BHEL, etc.

GUEST LECTURES

Around 50 Expert lectures and 20 Conferences/seminars were arranged across the departments during the academic year 2016-17.

NSS ACTIVITIES

We have a strong NSS team through which we conducted various social activities like blood donations camps, First aid demonstration, etc. World Head Injury Day was organized by Dept. of Management Students in association with Bangalore Traffic Police and Narayana Health. Road Safety Day was celebrated on the occasion of UN Global Road Safety Week and as per VTU notification. International Yoga Day and birthday of Bharatha Ratna Dr. B R Ambedkar, Sir M Visvesvaraya was celebrated.



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SPORTS ACHIEVEMENTS

Our college Hockey team and Kabaddi team are VTU champions for three consecutive years apart from winners in Cricket, ball badminton, kho-kho and football. Our students also represented VTU team in various events.

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ANNUAL REPORT FOR 2017-18

Very Good Morning to one and all

I express my hearty welcome to all the dignitaries

Respected Chairman & President of The Oxford Group of Institutions Sri. S N V L
Narasimha Rajugaru

Respected Guest of Honour Dr. Karisiddappa, VC, VTU

Respected Director, The Oxford Institutions, Bommanahalli and Hongasandra
Campus, Dr. Nagaraj and

Principal, The Oxford School of Architecture

HODs, Students, Parents and all the dignified guests assembled in this auspicious
programme.

- I take the privilege of reading the Annual Report of one of the largest Engineering college approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Belagavi and accredited by NAAC and IAO. We offer 10 undergraduate including B Arch and 10 postgraduate programmes along with MBA & MCA.
- NBA has further extended its accreditation for 3 years till 2020-2021 for the departments of CSE, ISE and EEE. The Pre-qualifiers of the departments of ECE, ME, BT, CV, AUTO and MTE have been approved by NBA and they are in the process of submitting SAR.
- 8 courses were approved by AICTE – PMKVY (Pradhan Mantri Kaushal Vikas Yojna)
- I feel proud to share with you that Nine Students have secured rank in the UG and PG courses during the academic year 2016-17.



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- The first batch of The Oxford School of Architecture passed out in 2017-18 with flying colors bagging the First Rank and Gold Medal from Visvesvaraya Technological University.
- It is one of the greatest milestone that we had organized National Conference of Science, Engineering and Management (NCSEM 2018) supported by Visvesvaraya Technological University and IEEE was organized on 24th and 25th May 2018 in which academicians, scientist, researchers and Industry professionals from around the country participated in this National Conference. Around 500 technical papers were presented from across the departments and from outside colleges. The highlight of this Conference is that 250 student's projects were also exhibited during the 2 Day mega event.
- It is one of our proud moment that during the academic year 2017-18, we have four ongoing sponsored research projects worth about 50 Lacs across the departments i.e. from VGST, ICMR and two from prestigious AICTE, New Delhi.
- Apart from this, six students Projects were sanctioned by KSCST to take up research activities across the departments.
- We are proud to state that, 22 research projects have been shortlisted by Visvesvaraya Technological University, Belagavi for financial assistance.
- Till date we have received almost 3.3 crores of funds from various funding agencies for all our research and student centric activities.
- Dr. Reema Sharma, Research Scholar at Dept. of ECE, TOCE, has obtained first PhD from our VTU Research Centre.



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- Dr. B K Manjunath, Professor and HOD of BT, Dr. Preeta Sharan, Professor of ECE and Dr. Saravana Prasad, Professor and HOD of CSE have filed a patent.
- **Quality Enhancement in Engineering Education (QEEE)** is a program funded by MHRD (Ministry of Human Resource and Development) with an objective to enhance the quality of technical education in Under Graduate courses (Bachelors) of Engineering Colleges all over India (outside the IITs and the NITs). The Oxford College of Engineering, Bangalore is one among 100 colleges in the country to be chosen to be a part of this pilot program. Our college has taken initiative to be a part of this program, so that our students will be exposed to the latest technology and pedagogical methodologies.
- Our college has been selected as centre for promoting Spoken Tutorial Project, one of the 'talk to a teacher project' supported by National Mission on Education through Information & Communication Technology (ICT), Ministry of Human Resource Development, Government of India.
- Students are motivated to publish their publications in Intercollegiate and Intra- department conferences, workshops symposiums etc., and Faculty are very much active with external agencies.
- To show our social responsibility, many innovative projects were invented by the students. Student of Mechatronics invented a device to help those paralyzed speak up and Secured 1st Place in 'Masterpiece 2017' competition held at Dubai.



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- Our faculty are the Resource Persons and they are in BOE as Chairman and Member and also in BOS as Chairman and Members of VTU.
- Many FDPs, MDPs and Workshops were conducted for our faculty to enrich their knowledge.

I would also like to highlight some of the prominent academic and co-curricular events

- TOGGLE Club of CSE conducted workshop and Impulse 2018 an State Level Inter Collegiate Tech Fest.
- Internet of Things is a new revolution of internet. Nowadays there are many android and server based applications. Department of ISE in collaboration with i3indya Technologies has conducted a workshop on Internet of Things for the students.
- Department of ECE organized One Day dissemination workshop on “Wireless Mouse and Keyboard for Physically Handicapped”, sponsored by Indian Council of Medical Research (ICMR) and Satellite conference, RTCSE-2018, Bangkok, Thailand.
- A faculty development program “Know your Intellectual Property Rights” workshop organized by the Departments of BT, CSE and ECE of TOCE., in association with KSCST and VTU, Belagavi. The main aim of the workshop was to impart greater awareness of IPR, the Indian IPR policy and patent procedures.
- Department of ME organized ROBOTICS-WORKSHOP and three-day workshop on “CATIA”.



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- The Dept. of BT had organized a Two days' workshop on Genomic Informatics in association with Bionivid Pvt Ltd and two days workshop on "Binding affinity and ADMET in Drug Discovery and candidate selection" was organized in association with Zastra Innovations Pvt. Ltd.
- STATE LEVEL-SUMMIT: "Reforms in MCA Program and its Challenges", and ORATORICAL COMPETITION: VIJAYA BANK VIGILANCE AWARENESS PROGRAMME was organized by NBA.
- FDP on "Enhancing the Quality of Teachers- Transformational Teaching" and a college level Competition 11th November 2017, sponsored by National Commission for Women, Government of India, to create nationwide awareness about the legal rights of women, World Women's Entrepreneurship Day was organized by Department of Management Studies.

ARCHITECTURE

- A workshop on "Clay modeling and Relief work" by Artist Sridhar Gangolli, Artist Praveen, Artist Honach Samuel, Ar. Aruvi. G was organized.
- Workshop on "Cost Effective and Energy Efficient Architecture" at Laurie Baker Centre for Habitat Centre was organized.
- Students work – "Communities "- site visit was arranged for students of 7th semester, for complete home Interiors and construction details in the month of October by Prof. Kirti Vinay Kumar (eco-saint gobain manufacturing ltd, Koramangala).



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LIBRARY

- The Oxford College of Engineering Library has established in the year 2000, with well-equipped furniture in sufficient space and sufficient reading capacity. It is a main resource of knowledge, which is an integral and important part of our institute of higher learning.
- The library aims to stock all important books, periodicals and E- resources like e-books, e-journals, CDs and etc.
- Separate Library for Engineering, MBA & MCA, and Architecture in order to provide better library services to user community.

SURVEY BY NATIONAL MAGAZINES:

- The Oxford College of Engineering has bagged Ranks in various magazine during 2018.
- **CAREERS 360** rated TOCE as AAA
- **TIMES OF INDIA- TIMES ENGINEERING INSTITUTE RANKING** ranked TOCE as 5th Among Top Engineering Institutes in Bengaluru and 29th Amongst Top 50 Institutes - Research Capabilities.
- **INDIA TODAY** ranked TOCE in 133 place among top colleges on India.
- **OUTLOOK** ranked TOCE in 9th among top ten private colleges in Bengaluru.
- **THE WEEK** ranked TOCE as 4th amongst top private engineering colleges - South Zone
- **DATA QUEST - CMR Survey** ranked 4th among top private T Schools in Bengaluru.



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MAJOR COMPANIES IN OUR CAMPUS

- Placement is always one of our strength. Reputed companies like Infosys, SAP labs, Tech Mahindra, IBM, Subex, HP Amazon, Book my show.com, Westline Marine, SKF, Cyient, HIREMEE, K & S PARTNERS, DXC. technology visited our campus and many of our students got selected. Eurofins offered highest CTC of Rs. 6,50,000/-
- Our students have done internship at many Public Sectors and reputed companies like National Aerospace Laboratories, ERNEST & YOUNG, BSNL, KPTCL, 3G Network Solutions, Indian Institute of Science, Samsung, RVVLSI, CYIENT, BHEL, etc.

NSS ACTIVITIES

Apart from academics, The Oxford College of Engineering has been excelling equally in Sports and Extra-curricular activities. Our strong NSS team have conducted various social activities like Blood Donation Camp, Eye Clinic, Sadbhavana Diwas, Earth Day, Karunada Utsava, Road Safety Day, Engineers Day, Teachers Day, Science Day, International Yoga Day etc., We organized Oxford Run 2017 (Oxford Marathon): A 5K and 10K Run " Save Mother Earth - Run for Earth.



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SPORTS ACHIEVEMENTS

- We are proud to host VTU Bengaluru Central Zone Intercollegiate Kabaddi Tournament and the students of TOCE bagged the Winner Title of Central Zone - Kabaddi - Men.
- We are also the Winners of Kho-Kho (Men) Central Zone 2018 organized by Cambridge Institute of Technology, Bangalore
- Winners of State Level Sports Fest, Open Tournament-Kabaddi (Men) organized by BGSIT, Chikbalapura on 22nd and 23rd April 2018.
- Winners of State Level Kabaddi Tournament held at NHCE, Bangalore
- Secured 2nd place in kabaddi at Sri Sai Ram College of Engg.
- We are also the winners of State Level Sports Fest, Open Tournament-Volley Ball (Men) organized by GAT Bangalore.
- Central Zone Winners of Men's Hockey organized by NHCE Bangalore.

I wish all my students and faculty to excel more in coming years in Academics, Research & Publications, create a very conducive environment to learn, share, disseminate knowledge at global level.


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ANNUAL REPORT FOR 2018-19

- I take the privilege of presenting the Annual Report for the academic year 2018-19 of The Oxford College of Engineering which is one of the largest Engineering college approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Belagavi and accredited by NAAC and IAO. We offer 10 undergraduate including B Arch and 10 postgraduate programmes along with MBA & MCA, 12 Research Centres.
- NBA has further extended its accreditation for 3 years till 2020-2021 for the departments of CSE, ISE and EEE. The NBA Expert Team visit is completed for accrediting the departments of ECE, ME, BT, CV and SAR is uploaded for AUTO and MTE and awaiting Expert Team Visit.
- I feel proud to share with you that Nine Students have secured rank in the UG and PG courses during the academic year 2017-18 including bagging of University Gold Medal by the student of Mechatronics.
- It is one of the greatest milestone that we had organized National Conference of Science, Engineering and Management (NCSEM 2019) and PROJECTON 2019 on 8th and 9th May 2019 in which academicians, scientist, researchers and Industry professionals from around the country participated in this National Conference. Around 500 technical papers /Journal Publications were presented from across the departments and from outside colleges. The highlight of this Conference is that 250 student's projects were also exhibited during the 2 Day mega event.
- It is one of our proud moment that during the academic year 2018-19, we have four ongoing sponsored research projects worth about 80 Lakh across



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the departments i.e. from DBT-BIRAC, VGST, ICMR and from prestigious AICTE, New Delhi.

- Apart from this, eight students Projects were sanctioned by KSCST to take up research activities across the departments.
- We are proud to state some of our Students Research Projects have been Selected as Best Project by KSCST and by VTU.
- Till date we have received almost 3.3 crores of funds from various funding agencies for all our research and student centric activities.
- Dr. Piruthiviraj P and Dr. Sridhar N, Research Scholar at Dept. of ECE, and Dr. Praveen Kumar, a Research Scholar at Dept. of BT, has obtained Ph D from our Research Centres.
- Dr. V S Bharath, Professor & Head of EEE and Dr. B K Manjunath, Professor and Head of BT, Dr. Preeta Sharan, Professor of ECE and Dr. Saravana Kumar, Professor and Head of CSE have filed patents
- **Quality Enhancement in Engineering Education (QEEE)** is a program funded by MHRD (Ministry of Human Resource and Development) with an objective to enhance the quality of technical education in Under Graduate courses (Bachelors) of Engineering Colleges all over India (outside the IITs and the NITs). The Oxford College of Engineering, Bangalore is one among 100 colleges in the country to be chosen to be a part of this pilot program. Our college has taken initiative to be a part of this program, so that our students will be exposed to the latest technology and pedagogical methodologies.



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- Our college has been selected as centre for promoting Spoken Tutorial Project, one of the 'talk to a teacher project' supported by National Mission on Education through Information & Communication Technology (ICT), Ministry of Human Resource Development, Government of India.
- Our college is the nodal center for J & K Students
- We also offer courses under PRADHAN MANTRI KAUSHAL VIKAS SCHEME
- Students are motivated to publish their publications in Intercollegiate and Intra-department conferences, workshops symposiums etc., and Faculty are very much active with external agencies and our faculty are the Resource Persons and they are in BOE as Chairman and Member and also in BOS as Chairman and Members of VTU and other universities. Many FDPs, MDPs and Workshops were conducted for our faculty to enrich their knowledge.
- To show our social responsibility, many innovative projects were invented by the students and also have bagged many awards and recognitions in intercollegiate competitions.
- IGNUS 2019, a State Level Inter Collegiate Tech Fest were conducted.

LIBRARY

- The Oxford College of Engineering Library has established in the year 2000, with well-equipped furniture in sufficient space and sufficient reading capacity. It is a main resource of knowledge, which is an integral and important part of our institute of higher learning.



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- The library aims to stock all important books, periodicals and E- resources like e-books, e-journals, CDs and etc.
- Separate Library for Engineering, MBA & MCA, and Architecture in order to provide better library services to user community with volumes of more than 70,000 numbers.

SURVEY BY NATIONAL MAGAZINES:

- The Oxford College of Engineering has bagged Ranks and ratings in various magazine during 2018. **CAREERS 360; TIMES OF INDIA, INDIA TODAY, OUTLOOK, THE WEEK, DATA QUEST, Chronicle etc.,**
- OUR COLLEGE RATED **SILVER** IN AICTE – CII SURVEY INDUSTRY LINKED INSTITUTES

MAJOR COMPANIES IN OUR CAMPUS

- Placement is always one of our strength. Reputed companies like IBM, Wipro, Infosys, SAP labs, Tech Mahindra, Subex, HP, Amazon, Book my show.com, SKF, Cyient, E&Y, ATRA Infotech, BYJU's etc., visited our campus and many of our students got selected. Westline Shipping Management offered highest CTC of Rs. 12,00,000/-
- Our students have done internship at many Public Sectors and reputed companies like National Aerospace Laboratories, ERNEST & YOUNG,



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Approved by A.I.C.T.E. New Delhi.
Recognised by UGC Under Section 2(f)
Bommanahalli, Hosur Road, Bangalore - 560 068.
Ph: 080-61754601/602, Fax: 080 - 25730551
E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

BSNL, KPTCL, 3G Network Solutions, HP, Indian Institute of Science,
Samsung, RVVLSI, CYIENT, BHEL, etc.

NSS ACTIVITIES

Apart from academics, The Oxford College of Engineering has been excelling equally in Sports and Extra-curricular activities. Our strong NSS team have conducted various social activities like **Blood Donation Camp, Eye Clinic, Sadbhavana Diwas, Earth Day, Karunada Utsava, Road Safety Day, Engineers Day, Teachers Day, Science Day, Plastic Free Zone Awareness, International Yoga Day, UNNAT BHARAT ABHIYAN etc.,**

SPORTS ACHIEVEMENTS

- We are proud to host VTU Bengaluru Central Zone Intercollegiate Kabaddi Tournament and the students of TOCE bagged the Winner Title of Central Zone - Kabaddi - Men.
- We are proud to host VTU Bengaluru Central Zone Volleyball (Men) Tournament and the students of TOCE was the Runners.
- Winners of Hockey (Men) Tournament organized by St. John's Medical College.
- Winners of State Level Volley Ball Tournament (Men) organized by NTT.
- We are also the Winners of Kho-Kho (Men) Central Zone 2018 organized by Cambridge Institute of Technology, Bangalore.



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- Winners of State Level Sports Fest, Open Tournament-Kabaddi (Men) organized by BGSIT, Chikbalapura
- Winners of State Level Kabaddi Tournament held at NHCE, Bangalore
- Secured 2nd place in kabaddi at Sri Sai Ram College of Engg.
- Secured 2nd Runner up in Kabaddi (Women) Bangalore Zone organized by Sai Vidya IT.
- We are also the winners of State Level Sports Fest, Open Tournament-Volley Ball (Men) organized by GAT Bangalore.
- Central Zone Winners of Men's Hockey organized by NHCE Bangalore.

I wish all the best. Thank You!!!


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ANNUAL REPORT FOR 2019-20

I take the privilege of reading the Annual Report of one of the largest Engineering college approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Belagavi highlighting the developments and the achievements of our institution of the academic year 2019-20.

- TOCE is recognized by NIRF, ARIIA every year. Our college is also recognized AICTE-CII Survey and obtained Gold and Silver ranking. Our college is being facilitated by AICTE for active participation in AICTE 360 degree. To add more laurels to our college, we have been ranked and rated by various National Magazines, namely eLETS Digital Learning Magazine, DATAQUEST, TIMES OF INDIA SURVEY, THE WEEK, THE OUTLOOK, INDIA TODAY and by CAREERS 360.
- At present the institution offers a total of 28 Programs comprised of 09 Under Graduate Programs, 7 (including MBA & MCA) Post Graduate Programs & 12 approved research centers caters Ph.D. programs. The total intake of 3188 (i.e.2683 students in UG courses, 441 students in the PG Courses including MBA, MCA and M.Tech. 64 scholars in Ph.D.).
- We have a tradition of securing good results and ranks in University examinations, which continues this year too. Our students grabbed 6 university ranks in both UG and PG categories during 2018-19. The overall result of 2018-19 batches is 97% for UG and 100% for PG.



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University Rank Holders 2018-19

1st Rank & Gold Medal	2nd Rank	4th Rank
Arnold Sachith A Hans 1OX15MT005 BE (Mechatronics)	Sangeetha B Naik 1OX15CT015 BE (Construction Technology & Management)	Nithin 1OX15MT027 BE (Mechatronics)
5th Rank	10th Rank	10th Rank
Pratap R Singh 1OX15AU034 BE (Automobile Engineering)	Mohit Bansal 1OX15MT023 BE (Mechatronics)	Amit Hanje 1OX17MMD01 BE M. Tech.(Machine Design)

I congratulate them on behalf of the management and hope that they cultivate the same to their juniors.

Placement:

- During 2018-19 around 65 companies visited our campus for training and recruitment purposes. 437 students have got placed in reputed companies including Zycus, Amazon, HCL, Colt, NTT data, Sonata Software, DXC Technologies, Hinduja Leyland Finance Ltd, Genpact, Sonata Software, PWC, CSG International, Razor Think Technologies etc. For 2018-19 Avg package was 4 Lakhs.
- Department of training and placement cell organized Mega Job Fair (MEP Job Fair) in association with Dhanush Engg Services Pvt. Ltd., Hyderabad supported by VTU-CPC Belgavi. We witnessed 4000+ student registrations, 57 companies with 1000+ job openings participated in the mega event.

Student achievements:

- Student by name Mr. Poornachandra Kashi, From ISE department, 3rd Semester participated in DATAHACK SUMMIT 2019.
- Malathi N Meghana and Rakesh R of VII Sem and S Karthik of V Sem



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presented the project "Bionic Hand" in Project Presentation Contest at Kagada 2019 conducted by IEEE UVCE.

- Prajwal P Patil, Thammaiah N S presented paper on "Nonlinear response of optical MEMS for health monitoring of railway track" in KAGADA, UVCE, Bangalore.
- M. Purushotham Rao, From ISE department participated in Technical Quiz at National Level Students' Symposium CHEMEXCEL-2K19 organized by Dept. of Chemical Engineering, Bapuji Institute of Engineering & Technology, Davangere.
- Brunda, 5th Semester Student of Civil department participated in Walk Race Event organized by VTU and achieved 3rd Place.
- Skanda Narayan J, Prashanth C, Shreyas S, Anirudh R, Chethan, Dhanush, Shashi Kumar from mechatronics department participated in Makethon 2019, Atria Institute of Technology, Bangalore and secured second prize.

Sports:

- The Oxford College of Engineering has won the institutional cash award of **Rs. 1, 00,000/-** for sports and cultural achievement from VTU.
- We were 2nd runners up for Ball Badminton, Bangalore at RLJIT Doddabalapura; Kabaddi (women) at Sri Vidya IT, Bangalore, VTU Bangalore central zone volley ball tournament was hosted by TOCE.
- We are also 2nd runners up for Kabaddi (men) STATE LEVEL TOURNAMENT GAT, Bangalore and Kabaddi (men) STATE LEVEL TOURNAMENT, SAI RAM ENGINEERING COLLEGE, ANEKAL.

Events Organized:

- The National Conference on Science, Engineering and Management in online mode with 24 Webinars by Eminent subject domain experts and more than 50 paper presentations was organized by TOCE.
- During the extended lockdown period a series of more than 20 Webinars were conducted.



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- The Oxford College of Engineering Dept. of MCA organized an Online Quiz on COVID-19 PANDEMIC LOCKDOWN, organized in memory of Founder Chairman Sri S. Narasaraju's Birth Anniversary, held on 5th- -10th June 2020. More than 1200 participant have been participated and received their e-Certificates.
- Student Induction Program was conducted for first year BE /BArch Students.

CSI Activities:

- CSI Expert Lecture on "Machine Learning: by Mr. Prashanth, Decibels lab Pvt., Ltd.,
- CSI Expert Lecture on "Stepping Information in Data Science" by Mr. Akash Gautham, Director of Appstone Pvt. Ltd.

Library:

Our library is such a kind of place where a vast invaluable collection of 55,598 volumes & 9 titles, E Journals 1661-are available. We purchased around 2950 Rs/- worth books, journals, magazines during 2019-20.

Alumni Meet is conducted throughout the year for different occasions under different departments. We have a strong bonding with our aluminous, they actively share their expertise with their juniors about job opportunities, startup opportunities and latest trends in the market.

MOU's:

We have 20 MoU's - Infosys, Wipro, TCS, Stelixr Biotech Pvt. Ltd, Zastra Innovations, CTM, EDGate Technologies, GenEd Technologies, Bangalore. Other than the MoU's between the Companies, 3 foregin tie ups has done with, OKLAHOMA State University, MALTA University, University of IRAN.



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Industrial Visit:

- This year students of ECE department visited DELL, EMC, Bangalore. Fifth semester students of EEE department visited Mahatma Gandhi Institute of Rural Energy and Development to gain in-depth knowledge about renewable energy.
- Final year students of Mechatronics department visited IMTMA, BIEC, Bangalore and learnt the design of industrial automation process control and industrial robotics.
- Third year students of Mechatronics department visited FESTO, Bangalore and learnt the design of hydraulic and pneumatic circuits.

Faculty achievements:

- Dr. B K Manjunatha, HOD & Dean Research has obtained a Project Grant of Rs.40 Lacs from DBT-BIRAC and a Project Grant of Rs. 4.41 Lacs from NIF.
- Dr. B K Manjunatha, has developed and patented a bioremediation kit called Petrozap for oil spill treatment funded by NRB, New Delhi.
- Dr. Raju B R, Professor and Head, AU department, received VGST funded project of Rs.20 Lacs and AICTE STTP funded project of Rs.2.88 Lacs.
- Our Faculty Dr Preetha Sharan, Professor, ECE department filed the TWO patents "PHOTONIC CRYSTAL BASED PISTON TYPE MICRO PRESSUR SENSOR" and "A METHOD, SYSTEM AND APPRATUS FOR DETECTION OF SKIN CANCER".
- Dr. R Ch. A Naidu, Professor and Head, CSE department has published TWO patents entitled "Identify The Humidity In The Soil And Based On The Water With The Help Of Machine Learning" and "Smart Traffic Control System Using Machine Learning"
- Dr. M S Shashidhara received "Sarvottam Acharya Award" on 2nd



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October 2019 at Indian Server, Vijayawada, India

- Prof. Anup M Upadhyaya from ME department selected as IEEE Photonic Society Internship Coordinator for Bangalore Section.

Funding:

- Various project proposals worth ₹ 1.12 Crore- has been received from the following funding agencies - AICTE under various schemes, NIF, BIRAC CRS DBT and VGST. Around 63,500 Rs/- received from KSCST for student projects.

In this academic year around 500 students registered for various NPTEL courses and 20 Staff & 100 students received the certificates. We have around 3 BOS members and 10 BOE members representing to the university.

I wish everyone all the best. Thank You!!!


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ANNUAL REPORT 2020-21

I take this opportunity to highlight the developments and the achievements of our institution of the academic year 2020–21.

- We would like to extend our gratitude to all the role players who have made it possible for the dream to true. The Education for the students under the feathers of The Oxford College of Engineering is sound, creative and innovative with the involvement of all the stake holders to make better and best.
- At present the institution offers a total of 28 Programs comprised of 09 Under Graduate Programs, 07 (including MBA & MCA) Post Graduate Programs & 12 Ph.D. programs with the total intake of 2746 (i.e. 2275 students in UG courses 471 students in the PG Courses including MBA, MCA and M.Tech. 84 scholars in Ph.D.). The administrative work is being successfully carried out by 219 faculty members and 57 non-teaching staff members.
- TOCE is recognized by NIRF, ARIIA every year. Our college is also recognized AICTE-CII Survey and obtained Gold and Silver ranking. Our college is being facilitated by AICTE for active participation in AICTE 360 degree. To add more laurels to our college, we have been ranked and rated by various National Magazines, namely eLETS Digital Learning Magazine, DATAQUEST, TIMES OF INDIA SURVEY, THE WEEK, THE OUTLOOK, INDIA TODAY and by CAREERS 360.
- On this occasion I take privilege to thank our Chairman, HODs, Faculty Members, well-wishers, students, and parents for the support, given to reach out the goal.
- We have a tradition of securing good results and ranks in University examinations, which continues this year too. Our students grabbed 10 university ranks in UG category during 2019-20. The overall result of 2019-20 batches for UG is 79.22% and for PG is 97%.



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University Rank Holders

1st Rank Goldmedalist	2nd Rank	2nd Rank	3rd Rank	4th Rank
Prutvi Mahabaleshwar Naik (Construction Technology & Management)	Ananya Omprakash (Biotechnology)	Mahesh (Construction Technology & Management)	Kannika V Pai (Mechatronics)	Afnan Pasha (Mechatronics)
4th Rank	5th Rank	8th Rank	9th Rank	10th Rank
Subramanya G S (Automobile Engineering)	Megahana V (Mechatronics)	Sujay Sanjeev Satpute (Automobile Engineering)	Vignesh P (Automobile Engineering)	Hanushitha K (Mechatronics)

I congratulate them on behalf of the management and hope that they cultivate the same to their juniors.

Placement:

During 2019-20 around 72 companies visited our campus for training and recruitment purposes. 436 students have got placed in reputed companies. Including SAP Labs, Goldman Sachs, Infosys, TCS, Byju's, Cognizant, Mindtree, Wipro, IBM, VMWARE, CGI, Paypal etc. For 2019-20 highest package was 12 LPA and Avg package was 5.6 LPA.

Student achievements:

- Department of ECE student's project "Protection and Monitoring of Lake using Smart Devices" was selected for best project award by IEEE, Bangalore section and received HTA Funding of Rs. 13,000.
- Department of ECE student's project "Multiple Robotic Hand" was selected for best project award by IEEE, Bangalore section and received HTA Funding of Rs. 5,000.
- Students of ECE and CSE department presented research papers in IEEE



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conference "INDIACom2021", New Delhi.

- Mr. Prajwal P Patil, ME Department got selected for MS in Photonics, Ghent University, Belgium.
- Department of ECE students undertook the international course titled "Introduction to android App Development" organized by National University of "MAYOR DE SAN MARCOS", Peru during the period of 18th May-13th July 2021 (3 months), and completed the course successfully.
- Mr. Prajwal P Patil, ME department and Ms. Sushma P Kamath, ECE department published a research paper in SCI Journal with IOP Science i.e. Journal of Micromechanics and Microengineering.

Sports:

- We are proud to host VTU Bengaluru Central Zone Intercollegiate Kabaddi Tournament and the students of TOCE bagged the Winner Title of Central Zone - Kabaddi - Men.
- VTU Bangalore central zone volley ball tournament hosted by TOCE.
- We are also the Winners of Kho-Kho (Men and Women) Central Zone Bangalore, Volley Ball state level tournament winners at NTTP and hockey state level tournament winners held at Indian Institute of Science.
- The Oxford College of Engineering has won the institutional cash award for sports and cultural achievement from VTU.

Events Organized:

- AICTE Sponsored STTP was organized by Automobile department "Design thinking approach to product development.
- COVID-19 Vaccination Drive was conducted on in association with BBMP, Govt. of Karnataka.
- FDP on "Advancements in Artificial Intelligence(AI) & Machine Learning(ML)" was organized by CSE department.
- FDP on Recent Trends in Photonics was organized by ECE department.
- FDP on Recent Trends in Electrical Engineering organized by EEE department.



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Infrastructure:

Adding to the existing Infrastructure, facility up gradation has been done on all aspects. Hence during 2020-21 also 58 lakh rupees spent for the procurement of new systems, hardware components and Cloud Server worth 10 lakhs. Landscaping, building of Compound Wall, Greenery and other renovation works are under progress.

Library:

Our library is such a kind of place where a vast invaluable collection of 55,658 volumes & 13 titles, E Journals 1661-are available. We purchased around 7,475 Rs/- worth books, journals, magazines during 2020-21.

Alumni Meet is conducted throughout the year for different occasions under different departments. We have a strong bonding with our aluminous; they actively share their expertise with their juniors about job opportunities, startup opportunities and latest trends in the market.

The Industry Institution Collaboration has been made with leading MNCs like Infosys, Microsoft, WIPRO, IBM, and Google. The renewal process is done frequently and the collaboration has been maintained by interacting with companies continuously.

MOU's:

We have 20 MoU's - Infosys, Wipro, TCS, Stelixr Biotech Pvt. Ltd, Zastr Innovations, CTM, EDGate Technologies, GenEd Technologies, Bangalore. Other than the MoU's between the Companies, 3 foreign tie ups has done with, OKLAHOMA State University, MALTA University, University of IRAN.



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Faculty achievements:

- The achievements of our faculty members during this year were: This year nearly 90 research papers were published in reputed Journals and 24 patents were filed by our faculty members. 20 research scholars completed their comprehensive viva. Open seminars and pre submission colloquium across all the research centers. 8 faculty members got qualified in VTU entrance exam for Ph.D. 10 faculty members completed their Ph.D.
- The achievements of our faculty members during this year were: This year nearly 90 research papers were published in reputed Journals and 24 patents were filed by our faculty members. 20 research scholars completed their comprehensive viva. Open seminars and pre submission colloquium across all the research centers. 8 faculty members got qualified in VTU entrance exam for Ph.D. 10 faculty members completed their Ph.D.
- Dr. Preeta Sharan, Professor, Department of ECE was session chair for IEEE conference "INDIACom2021", New Delhi.
- Dr. Preeta Sharan, Professor, Department of ECE was resource person for AICTE FDP and ATAL Sponsored FDP.
- Dr. Preeta Sharan, Professor, Department of ECE given a talk on "Fundamentals of Quantum Computing", 13th Nov., 2021 at National University of "MAYOR DE SAN MARCOS", UNMSM, Lima, Peru.
- Dr. Preeta Sharan, Professor, Department of ECE received 25 lakhs funding from VGST-CISEE for developing Hand Grip Model under center of excellence.
- Dr. Preeta Sharan, Professor, Department of ECE bagged 15.8 lakh funding from AICTE-RPS for developing Rail-Wheel Model at lab level to study the structural health monitoring of Rail-Wheel.

Funding:

- Various project proposals worth ₹54.88 Lakhs /- has been received from the following funding agencies - AICTE under various schemes, VGST and VTU. Around 81,000 Rs/- received from KSCST for student projects. Also



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our ECE & BT students bagged best project student award of the year 2020-21. On the other hand, the consultancy works too are carrying out in institution.

In this academic year around 500 students registered for various NPTEL courses and 30 Staff & 100 students received the certificates. We have around 5 BOS members and 10 BOE members representing to the university.

Every year Strategic Meet will be conducted by our Management and all the Institutions of our group will participate and review their achievements, action plan for the upcoming year.

I wish everyone all the best. Thank You!!!


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Sri. S Narasa Raju

Founder Chairman
The Oxford Education Institutions

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S.N.V.L. Narasimha Raju
President: Children's Education Society ®
Chairman: The Oxford Educational Institutions



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VISION

To be a respected and most sought after Engineering Educational Institution engaged in equipping individuals capable of building learning organizations in the new millennium.

MISSION

To develop competent students with good value system to face challenges of the continually changing world.

QUALITY POLICY

To equip the students with highest standard of education, knowledge and ethics. To prepare them to meet the challenges of life with full confidence. Aim at all-round development of the personality to be useful citizens.



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Hearty Congratulations

by
The Management, Director, Principal and Staff
TO VTU RANK HOLDERS 2019-20



**1st Rank &
Gold Medalist**

Prutvi Mahableshwar Naik
BE (Construction Technology
& Management)



2nd Rank

Ananya Omprakash
BE (Biotechnology)



2nd Rank

Mahesh, BE
(Construction Technology
& Management)



3rd Rank

Kannika V Pai
BE (Mechatronics)



4th Rank

Afnas Pasha
BE (Mechatronics)



4th Rank

Subramanya G S
BE (Automobile)



5th Rank

Meghana V
BE (Mechatronics)



8th Rank

Sujay Sanjeev Satpute
BE (Automobile)



9th Rank

Vignesh P
BE (Automobile)



10th Rank

Hanushitha K
BE (Mechatronics)

Ranked among the top Engineering Institutions by • NIRF • ARIIA
• AICTE-CII • DATAQUEST • TIMES ENGINEERING • THE WEEK
• INDIA TODAY • OUTLOOK

THE OXFORD SCHOOL OF ARCHITECTURE

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MONIKA VALASE
For securing 5th Rank in
B. Arch VTU Examination 2019-20

The Oxford School of Architecture is a center for creative thinking, skill and Design Knowledge and ranked among top architectural Institutions by OUTLOOK.



Dr. N Kannan
PRINCIPAL



Dr. K M Ravikumar
DIRECTOR



SNVL Narasimha Raju
PRESIDENT

**INDIA
TODAY**

NATIONAL MAGAZINE RANKINGS 2020

11th Place

AMONGST BEST PRIVATE COLLEGES IN BENGALURU

139th Place

AMONGST ALL INDIA BEST PRIVATE COLLEGES

DATAQUEST

49th Rank

AMONGST TOP T SCHOOLS (PRIVATE) IN BENGALURU

39th Rank

AMONGST TOP T SCHOOLS (PRIVATE) IN INDIA

33rd Rank

TOP 155 ENGINEERING INSTITUTE RANKINGS 2020
OVERALL RANKINGS

24th Rank

TOP 100 ENGINEERING INSTITUTE RANKINGS 2020
OVERALL RANKINGS

15th Rank

TOP ENGINEERING INSTITUTE RANKINGS 2020
OVERALL RANKINGS - SOUTHZONE

32nd Rank

ONE OF THE TOP PRIVATE
ENGINEERING INSTITUTES ON PLACEMENT

THEWEEK

JOURNAL OF THE WEEK

TOP PRIVATE ENGINEERING COLLEGES
ALL INDIA

115th Rank

AMONGST ENGINEERING COLLEGES - ALL INDIA

85th Rank

AMONGST TOP PRIVATE ENGINEERING COLLEGES - ALL INDIA

48th Rank

AMONGST TOP PRIVATE ENGINEERING COLLEGES - SOUTH ZONE

8th Rank

AMONGST BEST PRIVATE ENGINEERING COLLEGES IN BENGALURU

OUTLOOK

64th Rank

AMONGST INDIA'S TOP 100 PRIVATE ENGINEERING COLLEGES



AICTE-CII

CII
CONTRIBUTION TO INDIA'S
SURVEY OF INDUSTRY-UNITED TECHNICAL INSTITUTES 2019

THE OXFORD COLLEGE OF ENGINEERING

BELOW 10

SILVER

THE OXFORD COLLEGE OF ENGINEERING-
MBA PROGRAMME

BELOW
11 & 29

GOLD

THE OXFORD COLLEGE OF ENGINEERING -
(MCA)

BELOW
11 & 29

GOLD



AAAA+

AMONGST KARNATAKA TOP ENGINEERING INSTITUTES

CAREERS360

SURVEY ON ENGINEERING INSTITUTES - 2020
HAS AWARDED "AAA+" GRADE



ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

Certificate of Appreciation

This is to certify that

The Oxford College of Engineering, Bengaluru

is categorized as 'Band C' institution (rank between 51-75) in category of
'Private or Self-Financed College/Institutes' in Atal Ranking of Institutions on
Innovation Achievement (ARIIA) 2020 announced on 18th Aug 2020.

Dr. Anil D Sahasrabudhe
Chairman, AICTE

Sh. Amit Khare
Secretary (HE), MHRD

Dr. Abhay Jere
Chief Innovation Officer
MHRD's Innovation Cell



MHRD'S
INNOVATION CELL
(GOVERNMENT OF INDIA)



Ministry Of Education
Government Of India



ARIIA
ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS



nirf

WE BELIEVE IN INNOVATION

ARIIA 2020

Atal Ranking of Institutions
on Innovation Achievement

Congratulations

To all Oxfordant's as THE OXFORD
COLLEGE OF ENGINEERING
,Bengaluru is Ranked among Top 50
Private Colleges in India in Atal
Ranking of Institutions on
Innovation Achievement (ARIIA)
2020, Ministry of Education,
Government of India.



Children's Education Society
THE OXFORD COLLEGE OF ENGINEERING
Hosur Road, Bommanahalli, Bengaluru-560068

<http://www.theoxford.edu/>

New Course Offered

AI and ML - UG Course

Artificial Intelligence and Machine Learning are the future of growth. Artificial Intelligence has the potential to fuel the growth of the world economy. A research by Accenture reveals that AI could double the annual economic growth rate by 2035. AI will change the nature of work and create a new relationship between man and machine.

The increased demand for AI led industry revolution has developed a need of creating a pool for trained resources. After the completion of the course, the students can apply for various jobs such as data analysts, data scientists, and Artificial Intelligence engineers. AI and ML course focuses



on developing the key understanding of Statistics that are the foundation of Artificial Intelligence and Machine Learning concepts. The foundations of Python are covered to develop a strong base in programming.

Students get to learn under the supervision of highly adept and experienced faculty teams developing the skills you need to succeed and make a valuable contribution right from the start. The graduate & post graduate engineering programmes encourage students to think with internal perspective and design solutions that meet human and social needs and to create an economic value that helps them to sustain in this competitive environment.

M.Tech (Cyber Security)

Cyber Security is becoming increasingly important as the interactions and transactions move to the digital world. A lot of information in the digital medium is sensitive and needs to be protected from unauthorized access.

Cyber security now has executive support and increased budgets. Yet there is still a shortage of skilled professionals. The cyber security skills are in high demand, as threats continue to plague enterprises around the world.



VAJUBHAI VALA
Governor of Karnataka

No. GS 80 MSG 2018

20th October, 2020

MESSAGE

I am happy to know that 'The Oxford College of Engineering', Bengaluru is providing quality education and training in various streams of Engineering, Post Graduates and Research. The Institution is bringing out 16th issue of their College Magazine called "OXYZINE-2020 Vol. XVI" to highlight the achievement of the students.

I wish the editorial team and students a grand success.

(VAJUBHAI VALA)

Dr. A. S. Aravind
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560068

Raj Bhavan, Bengaluru - 560 001. (Karnataka)



B.S. YEDIYURAPPA
CHIEF MINISTER



VIDHANA SOUDHA
BENGALURU - 560 001

No: CM/MS/321/2020

Date : 01/10/2020

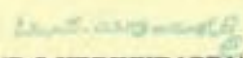
MESSAGE

I am glad to know that, the Oxford College of Engineering is bringing out annual magazine '**OZYZINE**' Volume XVI.

Oxford College of Engineering is one of the reputed institutions and well-known for imparting quality technical education in various streams engineering, post graduates and research. It is commendable that the college is encouraging students to become better individuals and skilled professionals to serve the nation.

I hope the annual magazine '**OZYZINE**' will underline the achievements of its students and also provide an effective platform to present their literary talents.

I wish the faculty and students of the college a great success in all their future endeavours.


(**B.S. YEDIYURAPPA**)

The Principal
The Oxford College of Engineering,
Bommanahalli, Hosur Road,
Bangalore - 560068.



Dr. ASHWATH NARAYAN C.N.
Deputy Chief Minister

(Higher Education, Electronics, IT, BT,
Science and Technology, Skill Development,
Entrepreneurship & Livelihood Department &
Ramanagara District Incharge Minister)



Room No. 242-243
2nd Floor, Vikasa Soudha
Bengaluru - 560 001
Tele : 080-22258965
: 080-22034647

No. DCM/HrEdn,IT&BT,S&T,SD/4127/2020-21


Date: 07-11-2020

MESSAGE

I am pleased to know that The Oxford College of Engineering is releasing its annual magazine "OZYZINE-2020" Vol. XVI for the year 2020.

Oxford College of Engineering has played a pivotal role in promoting quality higher education to the different sections of the society. It is good to know the objective in releasing the student magazine is to bring together innovative ideas and sharing knowledge from students of the different branches to a common forum. It helps in motivating and encouraging the students so that their ideas are expressed in the way of publishing college magazine.

I appreciate the Oxford College of Engineering for publishing Student Magazine and wish them and students all success.


(Dr. Ashwath Narayan C.N)



Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State.

Dr. Karisiddappa, B.E.H.Tech., Ph.D.
Vice Chancellor

Phone : (0831) 2405454
Fax : (0831) 2405456

Ref. No.: VTU/VCS/2020-21/ 42

Date: 14-09-2020

MESSAGE

I am glad to know that the Oxford College of Engineering, Bengaluru, is bringing out its annual Magazine "OXYZINE-2020 Vol.XVI".

My best wishes to the college to meet the challenges and to achieve greater heights in the field of Technical higher education in the years the come.

I wish the Magazine "OXYZINE-2020" to put in to lime-light, the latest trends in Engineering and Technology, current affairs and constructive views, which provides a platform for an individual to build a sound career.

My message to young aspiring engineers of the College is to have strong commitment, dedication and futuristic vision, which will lead to grand success in their career. I wish the faculty to be the torch-bearers for the students in this endeavor.

Dr. Karisiddappa
Vice Chancellor

To,
The Principal,
The Oxford College of Engineering,
Bommanahalli, Hosur Road., Bengaluru-560 068.

Phone: (0831)-2405454, Fax: (0831)-2405456, e-mail: vc@vtu.ac.in, website: www.vtu.ac.in



Message from the **Chairman**

Message from the Chairman The OXYZINE-2020 is a spring board projecting the emerging vision and innovative ideas of the students and faculty for achievement of significant benefits. It is like a network transforming the talent for further updation of the skills at multifarious levels. The literary creative abilities are replicated which would form the rich source of knowledge building. The articles are very much useful for enlightenment and to produce new frontiers of eminence. SNVL NARASIMHA RAJU Chairman, Children's Education Society® & The Oxford Educational Institutions

SNVL Narasimha Raju

SNVL NARASIMHA RAJU

Chairman, Children's Education Society® &
The Oxford Educational Institutions



Message from the Director

I am glad to note that The Oxford College of Engineering (TOCE) and The Oxford School of Architecture (TOSA) jointly coming up with its 16th Volume of annual college magazine 'Oxyzine'. It is obvious that the magazine encapsulates the achievements of the college both academic and non-academic across its departments. TOCE has been one of the best Engineering College in India, Known for quality faculty, state-of-the-art infrastructure and excellent students. The college has been making large strides both academically as well as in co-curricular and activities and placements. The same is evident from the fact that TOCE is accredited by the National Board of Accreditation (NBA), National Assessment and Accreditation Council (NAAC) and also International accreditation organization. Also Ranked by National Institutional Ranking Framework NIRF and Atal Ranking of Institutions on Innovation Achievement (ARIIA 2020) recently ranked TOCE as Top 50 private colleges in India. Obviously these accreditations are strong indicators towards the robust teaching learning and the academic environment offered in the college. Ample evidence towards the holistic nurturing of the students is obtained from the various ranking surveys conducted by reputed magazines and periodicals wherein TOCE is ranked amongst the 'Top 10' Institutions in the state of Karnataka.

From the Editorial Team, I understand that the college has organized a plethora of Extra/Co-curricular activities such as National Conferences, Workshops, Faculty Development Programs, Seminars and expert guest lectures from eminent personalities. Also our students have been excelling academically by bagging VTU ranks, Winning prizes in national level events and getting good placements in reputed Companies with maximum pay of 10 lakhs per year. Also bagged several awards and medals in events organized not only by VTU but several other Engineering Institutions affiliated to VTU. All this is possible only with the unstinted support of our beloved Chairman Shri S N V L Narasimha Raju. His proactive leadership and forward thinking have contributed immensely across the Group.

I congratulate the editorial committee for meticulous collation of data, aptly illustrated with relevant pictures and photographs of various activities and events. I wish all the best to my students and faculty in all their future endeavors. I wish TOCE/TOSA the Best in all its endeavors and urge that it scale greater heights with enhanced conviction and dedication.

Dr. AMARNATH K
BE, ME, Ph.D, FIV, MICI, MISTE
Director, The Oxford Educational Institutions



Message from the **Director**

It is glad to note that The Oxford College of Engineering (TOCE), Bangalore is coming up with its 16th volume of annual college of Magazine Oxyzine-2020. It is noteworthy that the magazine encapsulates the achievements of the college in both academic and non-academic across its departments on virtual mode due to pandemic. TOCE has also organized activities such as National Conferences, Workshops, Faculty Development Programs, Seminars and expert lectures from eminent personalities in online mode.

The Oxford College of Engineering being one of the largest Engineering College, is affiliated to VTU, Belagavi. TOCE has carved a niche for itself in the horizon of Higher Education not only in the state of Karnataka but also in the country as well as in many foreign Countries. The same is evident from the fact that TOCE is accredited by the NBA (National Board of Accreditation) and also by NAAC (National Assessment and Accreditation Council). Obviously these Accreditations are strong indicators towards the robust teaching- Learning and the academic environment offered in the college. Ample evidence towards the holistic nurturing of the students is obtained from the various ranking surveys conducted periodically by reputed magazines, where in TOCE is ranked as 11th Institutions in the state of Karnataka and 64th Rank amongst India's Top 100 private Engineering Colleges.

Also, the college bagged several ranks under the VTU of which 1st Rank and Gold medal in Construction Technology & Management. Apart from this the college has bagged 10 Ranks in various departments. It's indeed to note that doctoral students of various departments were conferred with the Degree of Doctor of Philosophy during its 20th Annual Convocation by VTU. All this is possible only with the unstinted support of our beloved Chairman Shri S N V L Narasimha Raju. His proactive leadership and forward thinking have contributed immensely across the Group.

The editorial committee has compiled these achievements of TOCE meticulously and its effort is strongly appreciated. I wish TOCE the Best in all its endeavors and urge that it scale greater heights with enhanced conviction and dedication.

Dr. K M Ravikumar
Director

The Oxford College of Engineering



Message from the **Principal**

It is matter of great happiness to me to know that the students and the faculty of TOCE are bringing out the volume XVI, magazine "OXYZINE".

Education is not to be confined within the walls of a classroom. Education is to provide means to enable a person to transcend the limitations of human perception and to understand the organic growth of the world to place oneself fit to perform one's role efficiently in the interest of larger order of existence. Education is a process to cause transformation to the finest of our thought, feelings and deed. It is to free ourselves and compassionate human minds with efficient working skills.

Our motto

The mutation of covid-19 and its subsequent impact on human beings is yet to measure. But one thing is clear that mankind has to pursue science, technology and research to stay safe on planet earth. The lessons of coexistence, empathy, impeccable honesty, dedication to assigned duties and above all sense of responsibility are from this pandemic which has no regard for differentiation created by mankind for its survival.

I extend best wishes for the success of this endeavor.

Dr. Kannan N
Principa
The Oxford College of Engineering

From Editor's Desk

We are proud to be part of an inspiring journey called Oxyzine 2020. Vol. XVI. The Oxford College of Engineering has grown from a humble beginning to Himalayan heights in its long journey of 47 years from the inception in achieving academic excellence by securing many ranks at the University since 2001.

The Management of Children's Education Society, has been working hard, year after year providing holistic & social responsible Professionals through its group of Educational Institutions of our college in producing brilliant young students from our Institutions.

We thank all the Heads of the Departments for giving the necessary information on time, which ensured the timely release of Oxyzine 2020. We sincerely thank our Principal Dr.N. Kannan for his continuous support in bringing out this magazine. With the dynamic directors Dr. K Amarnath, and Dr. K.M. Ravi Kumar being our driving force and timely advice from our Chairman, we have successfully brought out the Oxyzine 2020 on time.

We extend my hearty congratulations to S Namratha, 9th Sem B. Arch, for designing the cover page of Oxyzine 2020.

Last, but not the least special thanks to the editorial team and office staff for ably supporting us.

Dr. V. S. BHARATH
HOD - EEE

Editorial Team Members



Dr. V. S. Bharath
HoD - EEE



Dr. Surekha M
HoD - Chemistry



Dr. E. Saravana Kumar
HoD - AI & ML



Prof. A. Sahana
Professor - MBA



The Training and Placement Department

VISION

The Department of Placement, L & D, The Oxford College of Engineering looks forward towards making graduates competent in domain and professional skills and thereby increasing more employability.

MISSION

- To collaborate with companies to understand business and technology needs, trends, and career opportunities.
- To enhance the employability of every student through Trainings, Certifications, Projects, Internships, Technical Talks, Workshops, Hackathons, GDs, Resume Writing, Facing Interview, etc.
- To support and guide all students in meeting their career aspirations through Industry Job Placements, Internships, Mentoring for higher studies, and Innovation and Entrepreneurship Activities, etc.

The Department of Placement, Learning and Development at The Oxford College of Engineering is headed by Mr. Dhananjay Kumar who believes that discipline in young minds is the secret of success. His dedication and focus drives students to steer towards growth and contentment. The Department has tied up with Industries and best Training organizations to impart much needed skills and competencies among students.

The Department guides students to enhance their Interpersonal and Intrapersonal Skills which in turn helps them to be Employable ready. The Oxford College of Engineering is one of the pioneers in Training and Coaching students on company specific requirements. Students' success is our success and hence that is our motto. The students are well informed about the need for maintaining good academic scores and are tracked regularly on the same.

Moreover, the Department focuses on Higher Education guidance as well for students. Those students who prefer higher education within the Nation or Abroad are mentored and guided on how to take their passion ahead in a well-groomed fashion. Workshops on Study Abroad frequently takes place to provide more awareness and opportunities to students.

The Department is putting all its efforts in this direction to develop students who can not only understand the essentials and nonessentials of the business but also have a sense of belonging and concern for the society as a whole and emerge as Business leaders of tomorrow, the leaders those who will empower others. The Oxford College of Engineering has earned a distinct place amongst the premier Institutes of higher education in the state of Karnataka by imparting quality education. We at The Oxford College of Engineering continue with the tradition of delivering the crafted people to the corporate world, through our novel initiatives of bridging gap between industry and academia.

HIGHLIGHTS OF THE DEPARTMENT.

- The Department of Placement, Learning and Development focuses on attending to individual student's need by having one to one interaction whenever required and in need.
- Upskilling of students is mandatory to make the students face challenging roles in the Corporate field. Hence, extra attention in identifying the areas of improvements in a student is the highlight of our Motto.
- Intense training on Aptitude and Recruitment Essentials, Soft Skills, Personality Development are being imparted in regular intervals through the Year.
- The Department works closely with all the Heads of the Departments in identifying the emerging Technical Skills that are highly required by the Companies of that current year and hence planning and imparting training on the same for the students.
- Exclusive Company Specific Training is rendered to students followed by Intensive Assessments. Highest CTC offered in 2019-2020 is 12 LPA. Average CTC is 5.6 LPA.



Companies Visited During 2019-2020

SAP Labs	Cognizant	DTDC	Gboxz	Topper
Goldman Sachs	Mindtree	Tech Mahindra	Westline Shipping	CSG International
Infosys	Wipro	Tavant Technologies	India Mart	Atos Syntel
TCS	Pin Click	eRelogo Digi pvt ltd	Square Yards	Morgan Stanley
JK Technosoft	Covance	Fame Technologies	Qspiders	DXC Technologies
Byju's	IBM	MObiczy	Genpact	Razor Think Technologies
Jaro	TAYANA SOFTWARE	NCCCL	Abyeti Technologies	Fanuc India
FSS	6D TECHNOLOGIES	Sensi	Amazon	HUDL INDIA PVT LTD
Thoughtclan	SUBEX	Umiya Builder	PWC	Academic Craft
ASTI Infotech	CGI	Zycus	Aegon Life	S Bee Cables
HPE	VMWARE	Geeky Ants	Joules to Watts	Catalyst
Wissen	PALLE	Harman	HCL	Spin fin
Nvest Carrer Job Mela	Mu Sigma	Attra Technologies	Colt	Quinnox
Infosoff	Furlenco	Hinduja Layland Finanace Ltd	NTT Data	PRDC
Global Edge	Ready Assist	freenkart	Commvault	General Motors
CRMIT	Huewai Technologies	Pelatro Solution	Paypal	Microfocus
BOSCH	Kofluence	Smart Brains	Sonata Software	

LEARNING AND DEVELOPMENT

MOU with Training Institutes

- INDIAN INSTITUTE OF HARDWARE TECHNOLOGY LTD
- REO ENTERPRISES (INFIDOF)
- SEVENTH SENSE TALENT SOLUTION
- SMART TRAINING RESOURCE

PRE-PLACEMENT TRAINING

Department of Learning and Development emphasises in inculcating both attitude and aptitude skills among students. However, career upgradation is an important part of their professional growth. Having this in mind, the Department motivates students to participate in various certification programmes by providing them the best opportunities from Industries.

TECHNICAL TRAINING

- INDIAN INSTITUTE OF HARDWARE TECHNOLOGY LTD

Trainings conducted on:

1. C, C++, Data Structures Training
2. Core & Advanced Java Training
3. Python with Machine Learning & Artificial Intelligence

- REO ENTERPRISES (INFIDOF)

Trainings conducted on:

1. CREO
2. Revit Architecture
3. PLC/SCADA

- **SHADE9**

Trainings conducted on:

1. Marketing
2. Finance
3. HR

Soft Skills Training

1. SEVENTH SENSE CORPORATION
2. SMART LEARNING

TRAINING PROCESS

All the students of TOCE are trained on Quantitative Aptitude, Soft skills and Technical skills. Selection of the topics and methodology of training delivery is done by Industry experts in consultation with College experts, heads of the department and Alumni along with T & P cell, thereby enabling us to choose the best training for our students. The aim of organizing such trainings is to improve the career opportunities for the students and to enable them to practice the corporate culture right from their college academics. We offer training to all the students irrespective of their stream every year. Trainings start right from the First year and continue till the Final year to enable students to learn required corporate, technical, and soft skills.



Placement Process



Once the placement season commences, one can feel the vibrant environment on the campus. We are always open to walk that extra mile which can bring in some benefit to students in terms of their personal and professional growth. Talents go barely unrecognized at TOCE as we leave no stone unturned, to place our students.

PLACEMENT RECORD 2019-20



Mr. Dhananjay Kumar
Head Training &
Placement



Mr. Gopala Krishna E.R.
Placement Executive



Ms. Bhavana G.
Placement Executive



Mrs. Vijayalakshmi Rao
Manager Corporate
Relations

Placement Resources



Two high-tech A/C Seminar Halls with smart Board and digital podium



20+ Classrooms for Pen and Paper podium



Four Group discussion Rooms



Six personal Interview Rooms



Four Departmental Seminar Halls



300+ computers for online test

PLACEMENT DRIVES



Management & Placement Team with Infosys Selects



IBM Pre-Placement Talk from Head- HR



Placement Team with Infosys Selects



Byjus Selects with HR and Head Placements



Students taking camera based test for VMWare



IBM Pre-Placement Talk from Head- HR



Students taking online assessment for SAP Labs



IBM Pre-Placement Talk from Head- HR



300 Students participated in JARO Education Drive

<div>  CHILDREN'S EDUCATION SOCIETY (Regd.) THE OXFORD COLLEGE OF ENGINEERING Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi Approved by AICTE, New Delhi, Accredited by NAAC & NBA New Delhi Bommanahalli, Hosur Road, Bangalore - 560088. </div>				
BONDED WITH THE BEST				
CAMPUS PLACEMENT RECORD : 2019-2020				
Highest Package	2 nd Highest Package	3 rd Highest Package	Average Package	
12 LPA	10 LPA	9.1 LPA	5 LPA	
Company Infosys COVANCE Cognizant TCS Spidara SAP TATA 6d Technologies ZYCUS COMMVAULT CSG ReadyAssist TAVANT PELATRO OwinnoX	Offer 26 20 16 11 9 1 5 1 1 2 3 3 3 7 1	Placed 82% Placed 90+ In-Pipeline 100+ Companies 20+ Companies in-pipeline	Company square yards PayPal IBM Hewlett Packard Enterprise sapient vmware BOSCH HUAWEI amazon ANVEET TECHNOLOGIES LEGONLIFE pwc aptean NTT DATA NCCL Legato	Offer 31 29 3 5 9 6 2 7 3 2 11 1 5 6 2 1 6 3 4 1 1 4 1 11 6 3

ORACLE	Infosys	bp	WIPAC	IBM	Deloitte
Biocon	UNISYS	LARSEN & TOUBRO	BOSCH	NTT DATA	MAA CONSULTANT SERVICES
VIDEOCON	Knauf	Knaufr.com	IndusInd Bank	IGATE	Himalaya
Kotak	Berger	U Hooker	Justdial	AXIS BANK	WGL Maheshwari Bangalore
Airtel	myatra	Vitalis	KPMG	INDFC BANK	INDUS INDIANA
Camex	cmptl	cmptl	Quikr	MICROLAND	macmillan
PCI	cmptl	cmptl	future group	अपनी	Retallion
TARGET	cmptl	cmptl	AI Dynamics	pradco.com	EUROPEAN
ADVINUS	cmptl	cmptl	CONCENTRIX	pradco.com	ALPINE
OwinnoX	cmptl	cmptl	ALLEGIS	pradco.com	Northern Trust
BIOCLIX	cmptl	cmptl	pradco.com	pradco.com	PRP SHIKAR
subex	cmptl	cmptl	pradco.com	pradco.com	IKV8
Jaro education	cmptl	cmptl	pradco.com	pradco.com	TIMKEN
99Acres.com	cmptl	cmptl	pradco.com	pradco.com	Building Solutions
Capgemini	cmptl	cmptl	pradco.com	pradco.com	Flipkart
Capgemini	cmptl	cmptl	pradco.com	pradco.com	Flipkart
Capgemini	cmptl	cmptl	pradco.com	pradco.com	Flipkart

www.theoxford.edu

Department of Computer Science & Engg.

The department of Computer Science and Engineering was started in the year 2000, with an intake of 60, in the year 2008 the intake was increased 60 to 120, at present the intake is increased to 180 for the four year Under Graduate Program B.E (CSE). The department has two year M.Tech (CSE) program with an intake of 18. The department also has a VTU recognized R & D center. The UG programme of the department was accredited by NBA for the first time in the year 2007 for 3 years and it was reaccredited in the year 2016 for 3 years and renewed in 2018 for 3 years (2018-2021).

The department has 3 faculty with PhD, 5 faculty are pursuing their PhD and rest all are M.Tech with experience in various specializations of Computer Science and Engineering to provide value based training and skills needed for the students in the software industry. The goal of the department is to provide students with a habitat that helps them to go on to top graduate programs and careers in cutting-edge companies. The department has well equipped state-of-the-art infrastructure facilities to carryout various real time projects, research and consultancy activities in recent technologies. The department has received funded projects in various government agencies. The department has good number of research publications and patents. The department has an excellent placement track record in various multinational companies" offers with high salary packages. The department is also accredited by NAAC.



Dr. R. Ch. A. Naidu
HOD

VISION

To establish the department as a renowned centre of excellence in the area of scientific education, research with industrial guidance and exploration of the latest advances in the rapidly changing field of computer science.

MISSION

To produce technocrats with creative technical knowledge and intellectual skills to sustain and excel in the highly demanding world with confidence.

FACULTY ACHIEVEMENTS

FUNDED PROJECTS

- Dr. R. Ch. A. Naidu, Head of the Department of CSE has obtained a project grant of Rs 6, 83,000 from PRERANA- AICTE 2018-2019
- Dr. E. Saravana Kumar, Professor has obtained a project grant of Rs 5 Lakhs from VGST for the project titled "cloud based automatic street lightening system in Attibele Industrial area and rural areas", 2018-2019
- Dr. E. Saravana Kumar, Associate Professor has obtained a project grant of Rs.22,98,824 from AICTE for the project titled "Skill & Personality Development Programme Centre"

PATENT PUBLICATION:

- Dr. R. Ch. A Naidu Professor and Head, filed a patent on "A Modern Approach of the protecting poultry boilers from heavy heat and automation of a layer farm in different type of climatic conditions, App No: 201941010846A " on 29/03/2019
- Dr. R. Ch. A Naidu Professor and Head, filed a patent on "Identify the humidity in the soil and based on that save the water with the help of Machine Learning" App.No 201941042575A, on 25/10/2019
- Dr. R. Ch. A Naidu Professor and Head, filed a patent on "Smart Traffic control system using Machine Learning " App.No:202031006656A, on 13/03/2020
- Dr. E. Saravana Kumar, Professor filed a patent on "System for optimizing 8-dimensional (8D) audio signal in the pair of 3-dimensional(3D) spectacles"(App NO.201941002364A).

JOURNAL PUBLICATIONS

- Dr. E Saravana Kumar, Professor has published a paper entitled "Rate adaptation performance and quality analysis of adaptive HTTP streaming methods" in "International Journal of Information Technology" Springer Nature, vol.12, pp. 453-465, 2511-2104, 2019, UGC Approved.
- Prof. Shobha T, Associate Professor has published a paper entitled "Robust Classifier Design with Ensemble Neural Network using Differential Evolution" in International Journal of Engineering Trends and Technology (IJETT- Scopus Indexed) - Special Issues - ICT 2020, 2231-5381, 2020, Scopus Indexed
- Prof. Seema Patil, Associate Professor has published a paper entitled "Clustering with Modified Mutation Strategy in Differential Evolution" in Pertanika Journal of Science and Technology, vol.no:28(1), 0128-7680, 2020, Web of Science Indexed
- Prof. Sowmya H K, Associate Professor has published a paper entitled "DCIUS: An Exhaustive Algorithm for preprocessing of web log file" in International Journal of Engineering Trends and Technology (IJETT- Scopus Indexed) - Special Issues - ICT 2020, 2231- 5381, 2020, Scopus Indexed
- Prof. Latha R, Assistant Professor has published a paper entitled "Characterization Breast Cancer Histology Images using Deep Learning" in International Journal of Engineering Research and Applications(IJERA), 2248-9622, 2020, UGC Approved

CONFERENCE PUBLICATIONS

- Dr. R.Ch A Naidu, Professor and Head, Dr. E. Saravana Kumar, Associate Professor, Prof. Latha R, and Prof. Krishnaveni A, has presented a paper entitled "Comprehensive Analysis of Cloud Based Databases" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Dr. E. Saravana Kumar, Associate Professor, has presented a paper entitled "Effectuation of Connected Buses and Smart Bus Shelters by employing IoT Paradigm" has been accepted for presentation in "International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) [I-SMAC 2020], IEEEExplore.
- Dr. E. Saravana Kumar, Professor, has presented paper entitled "Deployment of Smart Bus Shelter and Connected Buses by availing IoT Technology" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Dr. E. Saravana Kumar, Professor, has presented paper entitled "Characterization of Breast Cancer Histology Images using Deep Learning" in

National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru

- Dr.R.Ch A Naidu, Professor and Head, Prof. Seema Patil Associate Professor, Prof.Sonika Sharma Assistant Professor, has presented paper entitled "Pulmonologic Disorders Caused due to COVID-19 Pandemic" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Seema Patil, Associate Professor, has presented paper entitled "IoT Exploitation: Smart Door Lock System" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Seema Patil, Associate Professor, has paper entitled "Quantum Dot Cellular Automata Based RGB to Gray Scale conversion in Bio- Medical Applications" has been presented in INDIACOM-2020.
- Prof. Senthil Kumar, Associate Professor, has presented paper entitled "Service Provider for Blind People" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Senthil Kumar, Associate Professor, has presented paper entitled "Emotion Detection- Using Support Vector Method" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Dr.R.Ch A Naidu, Professor and Head, Prof. Senthil Kumar, Associate Professor, Prof. Ashwini Assistant Professor paper entitled "Rainfall Prediction Model using Decision Tree Based with Data Driven Model with Multiple Linear Regression" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Shobha T, Associate Professor, paper entitled "Robust Classifier Design with Ensemble Neural Network using Differential Evolution" has been presented in International Conference on Innovative Research on Engineering, Management and Sciences ICIREMS-2019.
- Dr.R.Ch A Naidu, Professor and Head, Prof. Shobha T, Associate Professor, Prof. Sushma T and Prof. Anjali has presented a paper entitled "Review on side-effects of COVID-19 in the development of neurological diseases" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Shobha T, Associate Professor, paper entitled "Thyroid Prediction using Machine Learning Techniques" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru

- Prof. Shobha T, Associate Professor, paper entitled "Drone as a Service" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Sowmya H K, Associate Professor, paper entitled "DCIUS: An Exhaustive Algorithm for preprocessing of web log file" has been presented in International Conference on Innovative Research on Engineering, Management and Sciences ICIREMS-2019
- Dr.R.Ch A Naidu, Professor and Head, Prof. Sowmya H K, Associate Professor and Prof. Jesy Janet Kumari, Assistant Professor has presented a paper entitled "Analysis of Covid-19 Epidemic Using Artificial Intelligence and Machine Learning Approaches: A Survey" in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Sowmya H K, Associate Professor, paper entitled "Face Recognition with Eye Blink Detection" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Sowmya H K, Associate Professor, paper entitled "Breast Cancer Detection using Machine Learning" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Jesy Janet Kumari J, Assistant Professor, paper entitled "Handwriting Text Recognition using RNN and CNN" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Jesy Janet Kumari J, Assistant Professor, paper entitled "IoT enabled Air Pollution Monitoring System with Digital Dashboard on Smart Phones" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Latha R, Assistant Professor, paper entitled "Smart Agriculture Automated Well Pump" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Latha R, Assistant Professor, paper entitled "Lung Cancer Detection Using Machine Learning and Deep Learning" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. G Florance, Assistant Professor, paper entitled "Analysis of Various Detection Techniques in DDoS Attack: A survey" has been presented in

National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru

- Prof. G Florance, Assistant Professor, paper entitled "IOT Based Multi Function War Assistance Robot" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Sushma T, Assistant Professor, paper entitled "Smart Teddy Bear System" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Sushma T, Assistant Professor, paper entitled "A Machine Learning Approach for fall Detection and Daily Living Activity Recognition" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru
- Prof. Krishnaveni A, Assistant Professor, paper entitled "IOT Based Bank locker Surveillance system using Knocking Pattern" has been presented in National Conference on Science, Engineering and Management NCSEM-2K20, TOCE, Bengaluru

ON-LINE COURSES PARTICIPATION BY FACULTY

- Prof. Seema Patil, Associate Professor, has successfully completed 2 weeks course on "LATEX", in association with IIT Bombay Spoken Tutorial, April 2020.
- Prof. Shobha T, Associate Professor, has successfully completed 2 weeks course on "LATEX", in association with IIT Bombay Spoken Tutorial, April 2020.
- Prof. Sowmya H K, Associate Professor, has successfully completed NPTEL Course on "Introduction to C", during July-September 2019.
- Prof. Jesy Janet Kumari J, Associate Professor, has successfully completed NPTEL Course on "Introduction to C", during July-September 2019.
- Prof. Jesy Janet Kumari J, Associate Professor, has successfully completed IIRS Course on "Remote Sensing & GIS Technology and Application for University Teachers & Government Officials", during June - July 2020.
- Prof. Latha R, Assistant Professor, has successfully completed IIRS Course on "Satellite Photogrammetry and its application", during June - July 2020.
- Prof. Latha R, Assistant Professor, has successfully completed IIRS Course on "Remote Sensing & GIS Technology and Application for University Teachers & Government Officials", during June - July 2020.

FDP/SEMINARS/WORKSHOPS ATTENDED BY FACULTY

- Dr. R. Ch. A Naidu, Professor and Head, Dr E Saravana Kumar, Prof. Seema Patil and Prof. Shobha T Associate Professor, has attended 3 days RTCSE'20 Satellite Session at TOCE, Bangalore India on 3rd January 2020.
- Dr. R. Ch. A Naidu, Professor and HoD, Dr E Saravana Kumar, Prof. Seema Patil and Prof. Shobha T Associate Professor, has attended one day "Machine Learning" Workshop at TOCE, Bangalore 2019.
- Dr. R. Ch. A Naidu, Professor and HoD, has attended one week "Python Programming" online FDP at Govt college for Women, Kolar from 05-06-2020 to 11-06-2020.
- Dr. R. Ch. A Naidu, Professor and HoD, has attended one week "NAAC Accreditation for affiliated colleges 2020 - Roadmap and Guidelines" online FDP at Gopalan college of Engineering and Management, Bangalore from 27-07-2020 to 31-07-2020.
- Dr. R. Ch. A Naidu, Professor and HoD, has attended three day virtual hands on training program on "PYTHON for DATA ANALYSIS" online FDP at REVA University, Bangalore during 17-06-2020 to 19-06-2020.
- Dr. E. Saravana Kumar, Associate Professor, has attended one week FDP organized on "PHP and MySQL" by Spoken Tutorial Project, IIT Bombay from 24th April to 30th April, 2020 remotely at Smt. Kashibai Navale College of Engineering, Pune
- Dr. E. Saravana Kumar, Associate Professor, has attended "A Three Day FDP organized on" "Unleash Your Research Potential" organized by IQAC in association with R&D CSE held during 24th to 26th of June 2020
- Dr. E. Saravana Kumar, Associate Professor, has attended in Five Days online FDP on "Python Programming" conducted through Spoken Tutorial, IIT Bombay from 18th to 22 of May 2020 Organized by Dept. of IT, Sona College of Technology, Salem
- Dr. E. Saravana Kumar, Associate Professor, Prof. Florance and Prof. Krishnaveni, Assistant Professor, has attended 5 days "Current Trends in Machine Learning using Python -A Hand on Approach" Workshop at TOCE, Bangalore 2019.

CENT PERCENT RESULTS

- Dr E Saravana Kumar, Prof R. Senthil Kumar, Prof. Seema Patil, Prof Shobha T, Prof Sowmya H K, Prof. Sushma T, Prof. Anjali Anand achieved cent percent results in their respective allotted subjects of ODD semester 2019 - 2020, UG and PG VTU Examinations.

PROFESSIONAL BODY MEMBERSHIP DETAILS

S.No	Name of the Faculty	IEEE	ISTE
1	Dr R Ch A Naidu	96247068	LM 71232
2	Dr E Saravana Kumar	96247031	LM 61440
3	Ms. Seema Patil	94186133	--
4	Ms. Shobha T	94186080	--

DEPT RESEARCH CENTRE DETAILS

S.No	Name of the Faculty	Research Status
1	Mr. R Senthil Kumar	Thesis Submitted
2	Ms. Seema Patil	Colloquium is pending
3	Ms. Shobha T	Colloquium is pending
4	Ms. Sowmya	Open Seminar-1 is Completed
5	Ms. Florance	Course work in progress
6	Ms Jesy Janet Kumari J	Cleared VTU ETR (Entrance) and waiting for Pre - Registration interview

SPORTS 2019 - 2020

Yogesh S, Abhinandan and Prithviraj are winners in the chess tournament held at T. John IT, Bangalore under VTU level.

Surya Peket, Toms John, Navnit Kumar and Abdul Jabbar are participated in the Basket Bal tournament held at NIICE, Bangalore under VTU level.

Navnit Kumar is participated in the Table Tennis(M) tournament held at ATRAI IT, Bangalore under VTU level

Anitha V and Kruthika are participated in the Table Tennis(W) tournament held at ATRAI IT, Bangalore under VTU level

Akshitha Sree and Varsha are participated in the Throw Ball(W) tournament held at EastWest College of Engg, Bangalore under VTU level

EVENTS ORGANIZED BY DEPT

S.No	Date	Topic	Resource Person	Institution / Industry
1	19/09/2019	Machine Learning Workshop	Mr. Satish Reddy	Palle Technologies, Bangalore.
2	17/10/2019	Cloud/Doker Concepts	Mr. Vilas Varghese	HSBG Infotech, Bangalore
3	18/10/2019	Career Guidance	Mr. Bhanu Chander	TIME Institute, Bangalore.
4	24/10/2019	Multimedia and Animation	Prof. Suraj D & Ms. Kamini S	Icat Bangalore.
5	26/10/2019	Data Structures & Coding	Shasank Pyate	BT eServ India Pvt Ltd
6	30/10/2019	Computer Organization	Ms. Shilpa G.V	Vemana Institute of Technology, Bangalore
7	13/02/2020	Artificial Intelligence	Mr. Anand Tamboli	KNEWRON Technologies
8	06/03/2020	Technical Profile Building and Psychometric test guidance	Mr. Nikhil Ravi	Byju's Learning app
9	27/02/2020	Digital India	Ms. Sangeeta Jayadevan	IBM Bangalore
10	29/02/2020	Overseas Education	Ms. Shivani	Global Reach



Expert Lecture on Career Guidance was conducted by Mr. Bhanu Chander from TIME INSTITUTE



Expert Lecture on Coding Standards & Introduction to Data Structures was given by Mr. Shashank Pyate, BT eServ India Pvt Ltd



Expert Lecture on Cloud/Doker was conducted by Mr. Vilas Varghese HSBG Infotech, Bangalore



Expert Lecture on Multimedia and Animation was given by Prof. Suraj D & Ms. Kamini S, ICAT



Expert Lecture on Machine Learning concepts was given by Mr. Satish Reddy, Palle Technologies



Expert lecture on Computer Organisation was given by Ms. Shilpa G.V, Vemana Institute of Technology



Dr. T Srinivas IISC Professor explaining about IEEE to our CSE Staffs.



Hands on Session on Overseas Education



Hands on Session on Digital India



Hands on Session on Technical Profile Building and Psychometric test guidance



Hands on Session on Emerging technologies

WEBINAR ORGANIZED BY DEPT

S.No.	Title of Webinar	Resource Person	Faculty Coordinator
1	Introduction to Deep Learning	Dr. Indramma N, Professor & Convener-IIIC, Department of CSE, BMSCE, Bengaluru	Ms. Seema Patil, Ms. Shobha T
2	Robotic Process Automation	Prof. Ashwini N, Assistant Professor, Department of CSE, BMSIT&M, Bengaluru	Ms. Seema Patil, Ms. Shobha T
3	Resourcing and Estimating the projects	Dr.Simi Kamini Bajaj, Academic Course Advisor(Informations systems program), School of Computing,Engineering and Mathematics,Western Sydney University,Australia.	Ms. Seema Patil, Ms. Shobha T
4	Opportunity in the IT industry	Mr. Praveen,Front End Developer, Mindtree, Bangalore	Ms. Seema Patil, Ms. Shobha T
5	The Art of Programming	Mr. Rahul Jain and Mr. Karuna,Software Engineer, Eurofins IT, Bangalore	Ms. Seema Patil, Ms. Shobha T
6	Role of cloud Service Provider	Mr. Naveen MuKundaraj Network Architect, Sify Technologies, Chennai	Dr. R. Ch. A. Naidu Ms. Ashwini Ms. Anjali
7	Data Visualization in Statistical Programming	Mr.Dhanya Kumar, Associate Manager, Accenture Pvt. Ltd, Bengaluru	Dr. R. Ch. A. Naidu Ms. Ashwini Ms. Anjali
8	Agile Methodologies	Mr. Rajesh Pasupuleti, Program Delivery Manager, Accenture Pvt. Ltd, Bengaluru	Dr. R. Ch. A. Naidu Ms. Ashwini Ms. Anjali
9	Potential Incite zone in ML	Dr. S.Sankar Ganesh, Assistant Professor Senior Grade 1, Department of Communication Engineering, School of Electronics Engineering, Vellore Institute of Technology, Vellore 632014	Ms. Sowmya Hk, Ms. J.Jesly Janet Kumari
10	Security Issues in Wireless Sensor Networks : Current Research and Challenges	Dr. Nagesh HR, Vice Principal, Professor and Head, Dept. of Information Science and Engineering, A.J. Institute of Engineering and Technology, Mangalore	Ms. Sowmya Hk, Ms. J.Jesly Janet Kumari
11	"Internet of Things: An Industrial Perspective"	Mr Victor Sundararaj A, Head of Engineering and Emerging Technologies Academy, Infosys, Bangalore	Ms. Sowmya Hk, Ms. J.Jesly Janet Kumari
12	Cyber Security	Mr.Sai Satish,Entrepreneur,Founder&CEO of Indian Servers,Vijayawada,AP	Ms.Krishnaveni A, Ms.Latha R, Ms.Florance G
13	Software Testing	Vasanth Vasudevan, Sr Quality Engg,Optum Global Solutions,Bangalore	Ms.Krishnaveni A, Ms.Latha R, Ms.Florance G
14	Harware & Networking	Mr.Symin Raj,S, System Engineer,Hexaware Technologies,Siruseri IT Park,Chennai	Ms.Krishnaveni A, Ms.Latha R, Ms.Florance G

15	SUCCESSFUL NAAC ACCREDITATION WITH A/A+/A++ GRADE	Mahadevan Ramachandran Principal Advisor & Chair - Aassaan EduCare Foundation. He is also an IEEE Senior Member and an ABET IDEAL Scholar.	Dr. E Saravana Kumar, Mr. Senthil Kumar
16	Role of Python in IoT and IIoT	Dr. Selvaraj Kesavan Advisor Solution Architect at DXC Technology, Bangalore	Dr. E Saravana Kumar, Mr. Senthil Kumar
17	Artificial Intelligence	Mr. Azad Mohammed Solution Architect, WIPRO Technologies, USA	Dr. E Saravana Kumar, Mr. Senthil Kumar
18	Role of Python in Artificial Intelligence and Business Intelligence	Dr. K. Venkatesan, Professor at Dept of Computer Engineering, Sanjivani College of Engineering, Kopergaon, Ahmed Nagar District, Maharashtra	Dr. E Saravana Kumar, Mr. Senthil Kumar
19	Integrating ICT Tools for Technology Enabled Learning	Dr. Abishek Kumar, Professor, Bannaras Hindu University, Varanashi	Dr. E Saravana Kumar, Mr. Senthil Kumar
20	Django Web development with Python	Associate Professor, Department of MCA, Adhiyamaann College of Engineering, Hosur Prof. Sakthivel N	Dr. E Saravana Kumar, Mr. Senthil Kumar
21	IOT with Arduino handson	Ms Rakshitha KS, IT Manager, Acranton Technologies	Ms. Sushma T Shanbhogue

WEBINAR ATTENDED BY FACULTY

S.No	Name of the Faculty	No of webinars Attended
1	Dr R Ch A Naidu	35
2	Dr E Saravana Kumar	30
3	Seema Patil	50
4	Shobha T	50
5	Latha R	30
6	Ms Jesy Janet Kumari	40
7	Ms.Sushma T	30
8	Senthil Kumar	20
9	Sowmya HK	40
10	G.Florance	20
11	Krishnaveni A	30

STUDENT TOPPERS IN THE YEAR 2019 - 2020

MTECH Toppers for Academic Year 2019-2020

Sem	USN	NAME	% of Marks
III	10X18SCS02	Gayathri R	86

B.E Toppers for Academic Year 2019-2020

Sem	USN	Name	% of Marks
	10X19CS116	Vidula r	90.75%
	10X19CS056	Mohit sharma	90.25
	10X18CS078	Sivakama sundari k	90
	10X18CS064	Ruzaina anjum	86.33
	10X17CS083	Sahana r k	87.625
	10X17CS092	Shivangi arul	
	10X17CS029	Harpreet kaur	86.125
	10X16CS015	Ashmitha dale pais	87.40%
	10X16CS098	Tejaswini c	82.70%

NCSEM Student Paper Presentation Details			
S.No.	Team members	USN	Title of the Paper
1	M Shalini	10X16CS043	Drone as a Service
	Madhushree P	10X16CS044	
	Kruthika H.m	10X16CS040	
	Neelam Thapa	10X16CS054	
2	Pragathi Nagaraj	10X16CS057	Thyroid Prediction using Machine Learning Techniques
	Rashmi R	10X16CS067	
	Nisarga Reddy	10X15CS064	
	Shiva Ranjani J	10X16CS083	
3	Anitha V	10X16CS007	Smart Mirror
	Keerthi M	10X16CS034	
	Vinay S	10X17CS403	
	Bhumika M	10X15CS019	
4	Aparna K H	10X16CS010	Touchless Heartbeat Detection and Cardio Pulmonary Modeling
	Priyanka C	10X16CS061	
	Sumithra S	10X16CS090	
	Tejaswini C	10X16CS098	
5	Subham Sarkar	10X16CS089	IoTExploitation: Smart Door Lock System
	Siddarth	10X16CS086	
	Upendra S	10X16CS100	
	Vivek	10X16CS106	
6	Keerthana	10X16CS033	Smart Teddy Bear System
	Kopuri Vasavi	10X16CS038	
	Mohazzeba Tanvir Raza	10X16CS050	
	V Pooja Reddy	10X15CS120	
7	Ramya K	10X17CS402	A Machine Learning Approach for Fall Detection and Daily Living Activity Recognition
	Narmada S M	10X17CS401	
	R Roshifa	10X15CS080	
	Pranami Choudary	10X16059	
8	Chandrakala R	10X16CS119	IOT Based Bank Locker Surveillance System Using Knocking Pattern
	Sahana K	10X16CS119	
	Saniya Khanum	10X16CS120	
	Sindhu M	10X16CS087	
9	Kiran S	10X16CS035	Deployment of Smart Bus Shelter and Connected Buses by availing IoT Technology
	Kishan Shetty	10X16CS037	
	A Santhosh Kumar Naidu	10X16CS001	
	Vikas Vinuggna M.k	10X16CS104	
10	R Gayathri	10X18SCS02	Characterization of Breast Cancer Histology Images using Deep Learning
11	Prakruthi Rao	10X16CS058	Fingerspelling Sign Language Training Tool
	Ranjana Rajeev	10X16CS066	
	Rufus Jason P	10X16CS070	
	Swajani G K	10X16CS092	

12	CHAITHRA S	10X16CS021	Lpg gas monitoring and control using smart phone
	CHAITHRA SHR	10X16CS022	
	THRIVENI P	10X14CS102	
13	KEERTHAN M P	10X16CS032	Service provided for blind people
	SANTHOSHKUMAR S	10X16CS079	
	YESHWANTH N	10X16CS109	
	YOGESH S	10X16CS110	
14	M GANESH KUMAR	10X16CS042	Emotion detection using ml (mood detector)
	V SANTHOSH	10X15CS121	
	MOHAN KUMAR	10X16CS049	
	BHARATH R	10X16CS019	
15	S KENNEDY FRANCIS	10X16CS071	Breast cancer detection using machine learning
	SIIRIRAKSHA AJIT PATIL	10X16CS084	
	SWATHI C SHETTY	10X16CS094	
	SUHASINI MANGALURE	10X16CS112	
16	DARSHAN R	10X16CS023	Face recognition with eye blink detection
	ARUN TOTAD	10X16CS014	
	SPANDANA M	10X16CS117	
	Nidhi S	10X15CS063	
17	Medha B	10X16CS048	Lung cancer detection using machine learning and deep learning
	Likith H P	10X16CS041	
	Rahul MK	10X16CS063	
18	Apoorva V	10X16CS012	Smart agriculture automated well pump
	Kavitha S	10X15CS130	
	Namitha C	10X16CS053	
	Shek Masood	10X16CS115	
19	SANGAVI C	10X16CS076	"Handwriting text recognition using rnn and cnn"
	DEEPAK CELESTINE J	10X14CS018	
	MANOJ L	10X16CS046	
	POOJA N	10X16CS056	
20	Bhanuprakash C V	10X16CS018	Urban drainage management system
	Kishan K	10X16CS036	
	Mahantesh Suresh Jyotihannad	10X16CS045	
	Ranjith K	10X15CS086	
21	TAREQH SHAH	10X16CS096	"IoT enabled air pollution monitoring system with digital dashboard on smart phone"
	RAJESH R	10X16CS064	
	RAMEST PAREEK	10X15CS084	
	ABINESH R	10X15CS003	
22	Sailakshmi Sanal	10X15CS094	"Rainfall rate prediction using machine learning"
	Saptami Shirsat	10X15CS095	
	Sanjana B	10X16CS077	
	Swantika Labh	10X16CS093	

STUDENT CLUB ACTIVITIES - IEEE Student Chapter - Bangalore

The IEEE Computer Society The Oxford College of Engineering Chapter was officially formed under the Department of Computer Science and Engineering, TOCE in December 2019. The student chapter began its activities with Dr R CH A Naidu, Head of Department, CSE Dept as the Chapter Advisor. Dr E Saravana Kumar is the faculty coordinator for the chapter. Santhosh C P is the current Chapter Chair.

The IEEE CS TOCE Chapter has conducted more than 20 events and webinars since its inception. During the lockdown, the chapter conducted remote seminars on platforms like Google Meet, Microsoft Teams and Cisco Webex. These webinars were hosted by proficient speakers who had years of industrial and academic experience. Cutting edge emerging technologies like Machine Learning, IoT and Cloud Computing was the main focus of these webinars. The CSE Department faculty provided a tremendous amount of support and assistance in organizing these events. The student members of the chapter actively participated in chapter activities. A few of CSE Dept Student members hosted webinars as speakers: -

Ms Harpreet Kaur(VII Sem-CSE) hosted the 'Intro to Git' webinar. She gave an introduction to Git VCS - A vital tool for software developers. Knowledge of Version Control Systems like Git is essential for developers collaborating and working in teams.

Ms Meesala Sri Varsha(VII Sem-CSE) hosted the "Intro to AI - A guide to ML and DL" webinar. Artificial Intelligence plays a major role in future technological advancements. Machine Learning and Deep Learning are some of the most promising emerging technologies.

Ms Shrilakshmi H Nayak(VII Sem - CSE) hosted the "Neural Networks: An Introduction" webinar. Neural Networks act as the basic building blocks of Deep Learning. They offer enormous potential and can easily process a large quantity of data.

The IEEE CS TOCE Chapter plans on conducting more events in the future that will help the students and the members of the chapter gain new skills and knowledge.

STUDENT PROJECTS - KSCST 2020

Baruva Praveena, Akepati Mahidhar Reddy, Manvi Pooja, Aravindan R Final Year students has received the amount of Rs. 4000 /- for the Project entitled " Smart Ornament for Women security and Safety" in KSCST. 2019-2020 Guided by Prof. Seema Patil, Associate Professor, TOCE, Bengaluru.

Prince, Sandhya, Vidya Shree M, Priyanka M Final Year students has received the amount of Rs. 4000 /- for the Project entitled " Skin Cancer Detection using Machine Learning" in KSCST. 2019-2020 Guided by Prof. Florance, Assistant Professor, TOCE, Bengaluru.

PLACEMENT ACTIVITIES

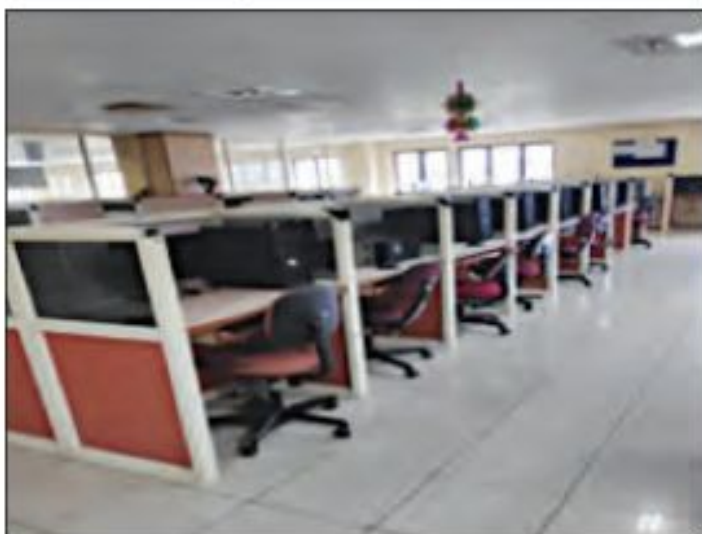
S.No	Name of the Company	No.of Students Placed
1	Covance India Pharmaceutical Services Private Limited	5
2	Fame Technologies	6
3	Infosys	5
4	JK Technosoft	6
5	Cognizant Technologies	7
6	Tech Mahindra	3
7	Wipro	2
8	DTDC	2
9	Qspiders	4
10	Square Yards	3
11	Atos Syntel	2
12	HUDL	2
13	Smart Brains	3
14	Freenkart	12
15	SAP Lab	1
16	Byjus	1
17	VMWare	1
18	IBM	1
19	MindTree	1
20	Jaro	1
21	TCS	1
22	Palle Technologies	1
23	TAVANT TECHNOLOGIES	1
24	Zycus	1
25	Huawei Technologies	1
26	Legato Technologies	1
27	Pentagon Space Pvt Ltd	1
28	Quinnox	1

LAB DETAILS

WEB/DBMS/CG	
Part No	Description
Area	160 Sq. mt
Desktop Model	1. Intel core2 duo 2. Intel i3 3. Intel Xeon
Memory	8GB, 4GB, 8GB
Harddisk	250GB HDD, 1TB HDD, 500 GB HDD
Conducted Labs	Computer Graphics Lab, Design and Analysis of Algorithms lab, Web Technology Lab, DBMS Lab, Machine Learning Lab



CN/SS AND OS /USP	
Part No	Description
Area	160 Sq. mt
Desktop Model	1.IBM Intel Pentium/IV 2.HP Intel i5
Memory	8GB
Harddisk	1TB HDD
Conducted Labs	Computer Network Lab, SS and OS lab, USP lab



DS/C	
Part No	Description
Area	88 Sq. mt
Desktop Model	Intel Xeon
Memory	8GB,
Harddisk	500 GB HDD
Conducted Labs	Data structures lab, Computer Programming Lab



R & D LAB	
Part No	Description
Area	39 Sq. mt
Desktop Model	HP Intel i5
Memory	8GB,
Harddisk	1 TB HDD
Conducted Labs	softwares for research



Department of Information Science & Engg.

Accredited By NBA in 2007, 2015 and 2018



Dr. R. Kanagavalli
HOD

Department of ISE is deeply committed to providing high-quality undergraduate education. The course has a comprehensive curriculum aimed to offer knowledge, in both theoretical and practical aspects of Computer Science, with an emphasis on practical

learning. Core subjects include Programming Languages, Computer Architecture, System Softwares, Computer Networking and Security, Artificial Intelligence, and Data Science.

Department also has experienced technical staff who help the students in understanding the latest technical aspects in a much simpler format. Department is consistently conducting activities like workshops, guest lectures, seminars for knowledge up gradation of both staff and students. Department has well equipped laboratories with latest configuration computer systems, which are completely networked and latest softwares for applications and development areas

VISION

To meet the educational, research and service needs of the region through collaboration with academic and technical institutions, business and government agencies and cultural organizations, thereby providing a platform that encourages students and staff to continue their intellectual and professional growth.

MISSION

The department aims to develop the best information science professionals who work creatively, communicate effectively and become technologically competent and also to mould them into good citizens by inculcating sense of ethical values in them.

EXPERT LECTURE

1. Dept. of ISE organized Guest Lecture on "Agile Software Development" and the resource person was Mr. Anil Kumar H, Team Manager, Robert Bosch, Bengaluru on 10th October 2019 at new building 4th floor seminar hall.



Mr. Anil Kumar H delivering lecture on Agile Software Development.



Dr. Kanagavalli, Prof & HOD Presented token of appreciation to Mr. Anil Kumar H

2. Dept. of ISE organized Guest Lecture on "BITCOIN - CRYPTOCURRENCY" on 13th November 2019, venue was new building 4th floor seminar hall. The guest was Mr. Shorupan, Director of NevstLab, Pvt Ltd, Bangalore.



Mr. Shorupan Explaining BITCOIN



Mr. Prashanth answering the question to the students.

- The Department of Information Science & Engineering, organized CSI Expert Lecture on

"Stepping Information in Data Science" by the resource person Mr. Akash Gautam, Director of Appstone, Pvt Ltd, Bengaluru on 18th November 2019, in ISE Department.



Mr. Shorupan answering Students



HoD Presenting Token of gratitude to Mr. Akash Gautam

CSI CHAPTER ACTIVITIES

- The Department of Information Science & Engineering, organized CSI Expert Lecture on "MACHINE LEARNING" and the resource person was Mr. Prashanth, Decibelslab, Pvt Ltd, Bengaluru on 14th November 2019, in ISE Department.



Mr. Prashanth delivering lecture on Machine Learning

- The Department of Information Science & Engineering, organized CSI Expert Lecture on

"Stepping Information in Data Science" by the resource person Mr. Akash Gautam, Director of Appstone, Pvt Ltd, Bengaluru on 18th November 2019, in ISE Department.



Mr. Santhosh N.C. Delivering webinar on Software Development Life Cycle.



Mr. Manivannan Delivering Webinar on "GLOBAL NAVIGATION SATELLITE SYSTEMS".

FACULTY ACHIEVEMENTS (CENT PERCENT RESULT)

The following staff members achieved 100% result in their respective subjects VTU exams held in Dec-2019.

S.No	Faculty Name	Subject Name with code
2.	Mr.Amaresha	C programming for problem solving/18CPS13
3.	Ms. Sindhuja	Storage Network/15CS754 area
7.	Ms. Indu.K.S	Cloud Computing /15CS64
8.	Ms. Vidya	Cloud Computing//15CS81

TECHNICAL TRAINING

- ISE department had organized Technical Training on programming languages (C, C++, JAVA HTML, Python) and advanced concepts(ML and AI) for final year students Of ISE which was given by IIHT, from 4th Nov 2019 to 11th Nov 2019 .



Mr. Akash Gautam giving introduction to Python Technical Training.



Hands on session on Python Programming.

RESEARCH ACTIVITY:

- Ms.Kokila, Asst. Professor, Dept of ISE has completed her course work on May 19.
- Mr.ChanappaGowdaD.V, Asst. Professor, Dept of ISE has completed his course work on May 19.

STUDENTS' ACHIEVEMENTS

1. TOPPERS LIST (UG)

S.No.	SEME STER	USN	NAME	AGGREG ATE
1	I	10X19IS016	Ayesha Tabassum	88
2		10X19IS025	Deeksha M	86
3	III	10X18IS012	Aradhana	87
4		10X18IS029	Inchara	85.33
5	V	10X17IS009	Lateefulla Khan	76
6		10X17IS058	Sushma B N	75
7	VII	10X16IS111	Thanuja	85
8		10X16IS101	Spoorthi	84

2. LIST OF STUDENTS ATTENDED COMPETITION DETAILS

s. no	USN	Name of the student	Semester	Event and venue	Prize
1	10X16IS033	Poornachandra	III - A & B	Facebook Build Day 2019 at Mesho, Koramangala on 23rd and 24th August 2019	1st prize(\$1500)
2	10X16IS037	Anandha Theertha			
3	10X16IS074	Prateek K			
4	10X16IS035	Rudura swamy			
5	10X18IS018	Poornachandra	III - A	DataHack Fest, October	T-Shirt
6	10X18IS018	Poornachandra		Google October Challenge (QwiCK Labs)	Certificate
7	10X18IS045	NavyaT	III - B	Poster Making Competition "vigilance awareness week-2019" organized by TOCE in association with BANK of BARODA on 7th November 2019	3rd prize
	10X18IS046	Neha			
	10X18IS076	Spoorthy			

3. LIST OF STUDENTS PLACED / Internship (JUL-DEC 2019)

S.No	USN	NAME	COMPANY NAME
1	10X16IS098	SOUMYA	TCS
2	10X16IS023	SAI RUCHITHA	Covance(Internship), Infosys
3	10X16IS007	AKANSHA P	Covance(Internship)
4	10X16IS042	KRITIKA P	Covance(Internship)
5	10X16IS048	MAHALAKSHMI M	Covance(Internship)
6	10X16IS055	NAGENDRA K	Covance(Internship)
7	10X16IS053	MONICA K V	Covance(Internship)
8	10X16IS033	GURUSHEKARA K	Covance(Internship), FAME Technologies (Internship)
9	10X16IS001	AKANSHA SIGH	Infosys
10	10X16IS005	AISHIWARYA N	Infosys
11	10X16IS027	GUNA	Infosys
12	10X16IS035	HARSHITH T R	Infosys
13	10X16IS037	HINDU PRIYA C	Infosys
14	10X16IS044	LIKITHA P	Infosys
15	10X16IS054	MONISHA R SHETTY	Infosys
16	10X16IS069	RACHANA R	Infosys
17	10X16IS088	SAROJA	Infosys
18	10X16IS089	SATHYA V	Infosys
19	10X16IS090	SHAKTHI SWAROOP	Infosys
20	10X16IS111	THANUJA K	Infosys
21	10X16IS077	NIPAM	FAME Technologies (Internship)

STUDENT ACTIVITIES:



Students from ISE department actively participated in Kannada Rajyotsava celebration.



Dusshera Celebration at ISE Department.



Mr. Channappa Gowda from ISE Dept conducted yoga for first year students on induction program.



ISE Dept students poster presentation during Vigilance awareness program.



Student Poornachandra from 3rd Semester answering the question during his presentation

NCSEM

The Oxford College of Engineering, Bommanahalli, Hosur Road, Bangalore has organized a two-day National Conference on Science, Engineering & Management - NCSEM-2K20 on 15th & 16th July 2020.

During National conference three webinars were conducted from ISE department on project lifetime management, deep learning approach for Breast cancer detection and cloud computing and its skills, which was taken care by Mrs. Kokila and Mr. Karthik, ISE department.

And Final year students presented their papers in virtual mode on part of the National Conference. Totally 27 papers were presented which were taken care by Mrs. Visalini and Mrs. Kalaiselvi, ISE department.



Webinar on "Deep Learning Approach for Breast Cancer"



Webinar on "Project Life Cycle "Management

FACULTY PAPER PUBLICATIONS

NAME	TITLE OF THE PAPER
Dr.R.Kanagavalli	An automated cooking robot using embedded system
Ms. Visalini	A secured data sharing among vehicles to keep track of road conditions
Ms.Kalaiselvi	Gloveblu: many-to-many communication among disabled users
Ms P Kokila	Usb to usb data transfer using raspberry pi
Ms.indu	Secured and cardless atm using iris
Mr.Yadhukrishna M R	Blockchain based video surveillance system
Channappa gowda D.V	Voice control chatbot for ticket booking using nlp
Mr. Amaresha	Home automation system using internet of things
Karthik S L	Hand gesture technology using image processing
Ms. Sandya rani	Eye tracking password using blinking verification system
Ms. Vidya	Suspicious human activity detection using image processing
Ms. Geetharani	A novel approach for user- cloud interaction using raac
Ms. Madhusmita Mishra	Virtual technology for library using vr box
Ms. Jeevitha	Sericulture system based on image processing technique

DETAILS OF LABORATORIES :

1. Lab 1- CCP lab /Software Testing Lab. Area :

160 Sq. mt Description : Desktop- Dell 27 Nos- Intel i5(64 Bit) 8GB RAM, 1 TB HDD. Conducted Labs: Computer Programming lab, Software testing lab

2. Lab 2 – DBMS and Web Technology Lab Area :

160 Sq. mt Description : Desktop- Dell 24 no's, HP-8 no, Intel core 2, 1GB RAM, 500GB HDD. Conducted Labs : Database Management systems Lab, Web Technology Lab, Design and Analysis of Algorithms Lab



DBMS and WebTechnology Lab Networks Lab

3. Lab 3: Data Structures Lab Area :

88 Sq. mt Description : Desktop- HP 30 no's, Intel core 2, 8GB RAM, 1TB HDD, Conducted Lab: DataStructures Lab, C programming lab

4. Lab 4: Machine Learning and Networks Lab Area :

88 Sq. mt Description : Desktop- HP 15 no's, Dell 17 no's Intel core 2, 8GB RAM, 1TB HDD, Conducted Labs File structures lab, Computer Networks lab, Machine Learning Lab



Machine Learning and Networks Lab

Department of Electronics and Communication Engg.



Dr. Manju Devi
HOD

The Department of Electronics and Communication Engineering started in the year 2000 and has been in the forefront of imparting quality education to the students. The department has a strong undergraduate program with an intake of 120 students. At the postgraduate level, offers M.Tech in VLSI and Embedded Systems, DEC and DCN. There are 24 research scholars(internal and external) pursuing Ph.D in ECE R&D, and 6 research scholars have already completed their Ph.D degree.UG and PG students are encouraged to undertake various research projects in department R&D and are given regular value added courses and soft skill programs to meet the needs of employability. The unwavering commitment towards students along with a pool of experienced and dedicated teaching faculty makes the department distinguished and the most sought after.

VISION

To impart technical education par excellence and prepare leaders to serve the industries and society.

MISSION

M1: To provide the world with a highly committed and quality conscious engineering workforce.

M2: To encourage the students to build self-help, power of initiative, courage to change and create new things.

M3: To inculcate the spirit of cooperation and capacity for organization with special emphasis on their self-reliance and sustainability to meet ever changing requirements of local and global industries.

PROGRAM EDUCATIONAL OBJECTIVES:

PEO 1: Graduates apply their knowledge of mathematics and science to identify, analyse and solve problems in the field of Electronics & Communication to develop sophisticated communication systems.

PEO 2: Graduates to design and build up interdisciplinary systems by solving core engineering problems in communication systems which are technically sound, economically feasible and socially acceptable.

PEO 3: Graduates exhibit desire for life-long learning which directs them to obtain thorough knowledge in their chosen fields and motivate them for higher studies/ research.

DEPARTMENT ACHIEVEMENTS:

MOU's Signed

- A MOU was signed on 6th Feb 2020 with Lab to Market innovation IISC, Bangalore. For developing FBG bases safety Railway Systems and other applications

PROGRAM SPECIFIC OUTCOMES:

PSO1: An ability to understand the basic core courses of Electronics & Communication Engineering and to relate them to various areas of application like Communication Systems, Control System, Signal processing, VLSI and Embedded Systems.

PSO2: Should have capability to apply modern tools to analyse and solve complex designs with optimal solutions for various real-world applications.

PSO3: Excellent adaptability to changing work environment with good leadership qualities and zeal for social and environmental well-being.



MOU signed with Lab to Market

PAPERS PUBLISHED BY FACULTIES:

- Dr. Manju Devi published a paper entitled "A novel low power 8 Bit Binary Weighted Charge Steering DAC with Integrated Power Supply Using CMOS" in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 - 8958, Volume-9, Issue-4, pp 197-203, April 2020. (Scopus indexed)
- Dr. Manju Devi published a paper entitled "The Tiled cache implementation for High performance processor" in International journal of advanced Science and Technology, Vol 29, No. 5, 2020. pp- 7430-7438. (Scopus indexed)
- Dr. Manju Devi, published a paper entitled "Design of a Low Latency and High Throughput Packet Classification Module on FPGA Platform" in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume- 9 Issue- 6, pp 1468-1474, April 2020. (Scopus indexed)
- Dr. Manju Devi published a paper entitled "Turbo decoder for LTE High speed Efficient Architecture" in International journal of Future Generation Communication and Networking, ISSN: 2233-7857, Volume-13, Issue-1, April 2020, Page No. 732-744. (Web of Science).
- Dr. Manju Devi published a paper entitled "Evolution of Wireless Communication Along with Encoders" in International Journal of Innovative technology and Exploring Engineering (IJITEE) ISSN: 2278- 3075, Volume-9 Issue-1, November 2019, pg no 2589-2593 (Scopus indexed).
- Dr. Manju Devi published a paper entitled "Highly sensitive Lab-On-Chip with Deep learning AI for detection of bacteria in water" published in International Journal of Information Technology 1-7, on 18th September 2019. DOI-10.1007/s41870-019- 00363-1
- Dr. Manju Devi published a paper entitled "Power Analysis of Photonic Sensor for Detection of E-coli in Water," Workshop on Recent Advances in Photonics (WRAP), IIT Guwahati, India, 2019, pp. 1- 3, DOI :10.1109/WRAP47485.2019.9013691, IEEE XPLORE.
- Dr. Preeta Sharan published a paper entitled "Highly sensitive photonic crystal based biosensor for Bacillus cereus" in International journal of Information technology, pp-1-10, August 2020, Springer Singapore. (Scopus indexed)
- Dr. Preeta Sharan published a paper entitled "Surface Plasmonic Resonance Based Five Layered Structure- Biosensor for Sugar Level Measurement in Human" in Results in Optics Journal, pg no:100002, Elsevier, August 2020.
- Dr. Preeta Sharan published a paper entitled "Integrated MOEMS based cantilever sensor for early detection of cancer" in Optik Journal, pg no:165321, Urban & Fischer, Elsevier, August 2020.
- Dr. Preeta Sharan published a paper entitled "Performance analysis of the quantum processor: based on reversible shift register using QCA" in 3C Technologies, ISSN 2254- 4143, April 2020

- Dr. Preeta Sharan published a paper entitled "Breast Cancer Detection using thermal images and Deep Learning", in the 7th International conference on Computing for Sustainable Global Development, pg:211- 216, March 2020.
- Dr. Preeta Sharan published a paper entitled "Nonlinear Response of Fiber Bragg Grating for Health Monitoring of Railway Track", in the 7th International conference on Computing for Sustainable Global Development, pg:144-149, March 2020.
- Dr. Preeta Sharan published a paper entitled "Micro mechanical deformation sensor based on ultra sensitive photonic crystal membrane" 2019 workshop on recent Advances in photonics, IIT Gauhati, pg:1- 3, December 2019.
- Dr. Preeta Sharan published a paper entitled "Performance Analysis of Optical MEMS based pressure sensor using Ring resonators Structures on circular diaphragm", TENCON 2019-IEEE region 10 Conference, pg:668- 672, October 2019.
- Dr. Preeta Sharan published a paper entitled "Design of ultra-high sensitive biosensor to detect E-Coli in water" in International Journal of Information Technology, pg:1- 4, July 2019.
- Dr. Preeta Sharan published a paper entitled "2D photonic Crystal Cantilever Resonator Pressure sensor", 2019 Workshop on recent Advances in photonics, pg:1-4, December 2019.
- Dr. Preeta Sharan published a paper entitled "Interpretation of Photonic Crystals with Hexagonal Symmetry", International Conference on Innovative Mobile and internet Services in Ubiquitous Computing, pg:902-912, July 2019.
- Chrispin Jiji & Nagaraj R, published a paper entitled Enhancing Underwater images using Piecewise Linear Smoothing Gradient Guided Filter, in 3C Technologia ISSN: 2254- 4143 March 2020 129-139 ESCI, Web of Science
- Chrispin Jiji & Nagaraj R, presented a paper entitled "Enhancing underwater images using Piecewise Linear Smoothing Gradient Guided Filter" in International Conference on Sustainable Development (Kalasalingam Global Conference KGC-2019), Dec 2019
- Chrispin Jiji & Nagaraj R, presented a paper entitled Hybrid Technique for removing optical properties of degradations in water, in International Conference on Sustainable Development (Kalasalingam Global Conference KGC-2019) Dec 2019
- R. Bhargava Rama Gowd, Dr. Sridhar. N, Dr. S. Thenappan, published a paper entitled "Effect of Chanting, Recitation of Mantras, Slokas, Duas, Music on plants and trees using EMF Radiations: A Study", in TEST Engineering & Management, ISSN:0913- 4120, 2020.
- Ms. Sowmya Padukone published a paper entitled "Disease Prediction and Detection in Animals by DNA Genetic Engineering using Optical Sensor" in Scopus indexed Journal.
- Ms. Sowmya Padukone published a paper entitled "Analysis and Design of an Optical Biosensor using Mathematical Modeling" in Springer Journal.

WORKSHOPS/WEBINARS/CONFERENCES/FDPS ORGANIZED BY DEPARTMENT:

Sl. No	Title of Session	Speakers	Date
1.	Guest Lecture on "Elegant Machine Learning an Inter-disciplinary Approach"	Dr. Snehanshu Saha, PES University, Bangalore	25.09.2019
2.	One day Hands on Workshop on "Quantum dot and Optical Simulator"	Dr. Preeta Sharan, Professor, TOCE	04.10.2019
3.	Guest lecture on "Recent Trends on Soft Computing"	Ms. Divya M.G, Joint Director, CDAC, Bangalore	29.02.2020
4.	Technical talk by Byju's	Mr. Nithin, Byju's	03.03.2020
5.	Webinar on "AI for Smart Health"	Dr. Sandip Roy, GIS Program Director, Dubai	12.06.2020
6.	Webinar on "Trends that will shape the world in next decade"	Mrs. Olvyia Rakshith, Founder & CEO ComicFlix, USA	13.06.2020
7.	Webinar on "Supply Chain Digital Transformation Trends"	Mr. Shan Muthuvelu, Founder & CEO ITOregon,USA	19.06.2020
8.	Webinar on "Reinventing Yourself"	Mr. Paritosh Sharan, Founder & CEO, Transhuman Consulting, Hyderabad	03.07.2020

9.	Webinar on "Vehicular Networks"	Dr. Sachin Kumar, Professor, Amity University, Lucknow	09.07.2020
10.	Webinar on "Hybrid Amplifiers For Smart Meeting Technologies" (NCSEM-2K20)	Dr. Inderpreet Kaur, Visiting Professor, EEE Dept, GNEC, Punjab	15.07.2020
11.	Webinar on "Optical Biomedical Applications"(NCSEM 2K20)	Dr. Santosh Kumar, Assoc. Prof, School of Physics Science and Information Technology, Liaocheng University, China	16.07.2020
12.	Webinar on "Medical Image Processing"	Dr. Inbamalar, Professor, R.M.K College of Engineering, Chennai	20.07.2020
13.	Webinar on "Concept of Laser Scribed Photonic Structures"	Dr. Yashashchandra Dwivedi, Professor, NIT, Kurukshetra	04.08.2020
14.	Webinar on "Creative Thinking to Initiate research in field of Image Processing"	Dr. D. Raveena Judie Dolly, Professor, Karunya Institute of Technology, Coimbatore	08.08.2020
15.	Webinar on "Manuscript Preparation for SCI Publication"	Dr. Muhammad Kamrul Hasan, National University of Malaysia, Malaysia	10.08.2020
16.	Webinar on "Using IOT to build Innovative Applications"	Dr. Shobha K.R, M.S Ramaiah Institute of Technology, Bangalore	12.08.2020
17.	Webinar on "Engineering Applications in RF MEMS"	Dr. V. R Anitha, Professor, Sree Vidyanikethan Engineering College, Tirupathi	14.08.2020

STUDENT ACHIEVEMENTS:

Funds Received

- Final year students Kanhaiya Kumar, Kiran Kumar B.C, Kiran Kumar S and Jeetendra Kumar, under the guidance of Dr. Manju Devi, received fund for the project "Head Eyes system of Humanoid Skull" from KSCST.
- AkhileshPatil, KupamVenkata Sai Dinesh, Sumeet Kulkarni and Sharan A under the guidance of Dr. Preeta Sharan received IEEE fund for the project "Protection and monitor of lake using smart device".
- Final year students Praphul Chandra, Malathi, Meghana KS under the guidance of Dr. Preeta Sharan received IEEE fund for the project "Multipurpose Robotic Hand".

PAPER PUBLICATIONS

- Final year students Adam Filbert, Kimberly, Meghana S, Mohammad Hashim guided by Dr. Manju Devi published a paper entitled "Smart E-Cane for the visually challenged and blind using ML concepts" in International Research Journal of Engineering and Technology (IRJET), Vol 7, Issue 3, March 2020.
- Final year students Keerthana, Chandana, Sneha and Sushma presented the paper "Virtual piano using Raspberry Pi" in the IETE Sponsored Third National Conference on "Emerging Trends in Engineering, Science and Technology" on 17th June, 2020
- Final year students Ajay, Jayanth Kashyap, Aishwarya Raj, Mahantesh B presented the paper "3D Location system based on attitude estimation with RFID Technology" in the IEEE Conference held at RNSIT on 17th June, 2020.
- All final year student batches had presented their papers in NCSEM-2020 hosted by The Oxford College of Engineering.

Almost 55 final year students of the department got placed in reputed companies like Infosys, Byjus, Covace India, TCS, Wipro, NTT Data, Freenkart with excellent packages.

VTU Exam Toppers:

1st Year	Divyashree C	90.75%
2nd Year	Sneha M	83%
3rd Year	Greeshma N	88.38%
5th Year	Muhammad Hashim	86.2%

- The National Conference on Science Engineering and Management (NCSEM 2K20) was conducted virtually on 15th and 16th July 2020. As a part of NCSEM-2K20, Department of ECE organized 2 Webinars and 31 Paper Presentations.

- Department of ECE hosted almost 20 Quizzes from April 2020 to Aug 2020 related to current Engineering Technologies which helped the students to enrich their knowledge.

Brochures of Webinars organized by the Department

Faculty Achievements: Funds Received

- Dr. Preeta Sharan received Grant-in-aid of Rs.15,52,941/- for conduction of a project "Health Monitoring System for Indian Railway Track and Wheel using Fiber Bragg Grating Sensor" under the AICTE- AQIS Research Promotion Scheme, File No.8-109/FDC/RPS(POLICY-1)/2019-20 dated 14th August 2020.

PATENTS

- R.Bhargava Rama Gowd, Dr.Preeta Sharan published a patent "Efficient Bandwidth Allocation For Routing And Restoration In Optical Networks For Multimedia Applications", Application No.202041016069 A, Date of filing of Application: 14/04/2020, Publication Date: 19/06/2020
- Dr. Preeta Sharan presented a paper in 28th DAE-BRNS National Laser Symposium (NLS-28) held at VIT Chennai during 8th to 11th January 2020.
- Dr. Preeta Sharan delivered a talk on "Chemical and Bio Sensors" in 5 -day FDP on "Sensors and their Applications" organized by Dept.of ECE, Vemana Institute of Technology on 13-07-2020
- Dr. Preeta Sharan was the guest speaker for the Webinar "Quantum Dot Cellular Automata" in Ramaiah Institute of Technology on 2nd May 2020
- Dr. Preeta Sharan delivered a technical talk on 4th October 2019 in the inaugural talk of IEEE Inauguration in Medicine and Biology and Photonics Joint societies Student branch Chapter.
- Dr. Preeta Sharan delivered a talk on Reversible Logic Circuit: An approach towards Quantum Computing

PH.D AWARDEES OF THE DEPARTMENT

- Dr. Chrispin Jiji guided by Dr. Nagaraj R completed her final Ph.D viva voce under VTU on 24-07-2020



- Dr. Srinivasa Rao, guided by Dr. Anil Tiwari and co-guided by Dr. Preeta Sharan has successfully completed his final Ph.D viva voce under VTU on 11-06-2020.



- Dr. Viji K guided by Dr. Anil Tiwari and co-guided by Dr. Nagaraj R was awarded with Ph.D degree



organized by RNS Institute of technology on 11-06-2020.

- Dr. Preeta Sharan was the invited speaker in the one week workshop on BioSensors: Fundamentals to Advances, Scope and Applications" organized by Department of ECE, Ramaiah Institute of Technology from 3rd to 8th August 2020.
- Dr. Preeta Sharan delivered a talk on "Optical Sensors for Bio-War" organized MES College of Arts, Commerce and Science, Bangalore on 26th June 2020
- Dr. Chrispin Jiji delivered a talk on Optical Imaging in Underwater Images organized by IEEE Photonic Society, Bangalore Chapter on 29-08-2020.
- Mr. Bharathesh Patel, Mr. Afzal Nehal Shaikh, Ms. Rashmi & Ms. Jyothi guided by Dr. Manju Devi have successfully completed their pre-Ph.D comprehensive viva Voce under VTU.
- Ms. Sowmya Padukone guided by Dr. Uma Devi H has completed her pre-comprehensive viva voce and Doctoral Committee-II under VTU.

FACULTY ACHIEVEMENTS (Cent Percent Result):

SL.NO	FACULTY NAME	SUBJECT NAME/SUB CODE
1	Dr. Manju Devi	Management and Entrepreneurship (17ES51), Research Methodology (18RMI17)
2	Dr. Preeta Sharan	Microwave and antennas (15EC71)
3	Ms. Sowmya Padukone. G	Digital Image Processing (15EC72)
4	Ms. Laya Tojo	VerilogHDL (17EC53)
5	Ms.Lakshmi R	VerilogHDL (17EC53), Multimedia Communication (15EC741), Satellite Communication (15EC755), Advanced Embedded systems (18EVE12)
6	Ms. Vidya S.A	Information theory and coding (17EC54)
7	Ms. Srividya	Power Electronics and instrumentation (18EC36), Management and Entrepreneurship (17ES51), Power electronics (15EC73)
8	Ms. Sunitha L	Satellite Communication (15EC755)
9	Ms. Harshini	OOPs with C++ (17EC562)

LAB DETAILS

The department has well equipped laboratories such as Analog Electronics, Digital Electronics, Power Electronics, Computer Networks, DSP, VHDL, VLSI, ARM Embedded Controller and Research/Project lab. Licensed version of software's like MATLAB, Mentor Graphics etc. are installed in these labs. The department has a Research & Development Lab with Funded Projects from several agencies like NRB, VGST, and ICMR etc.



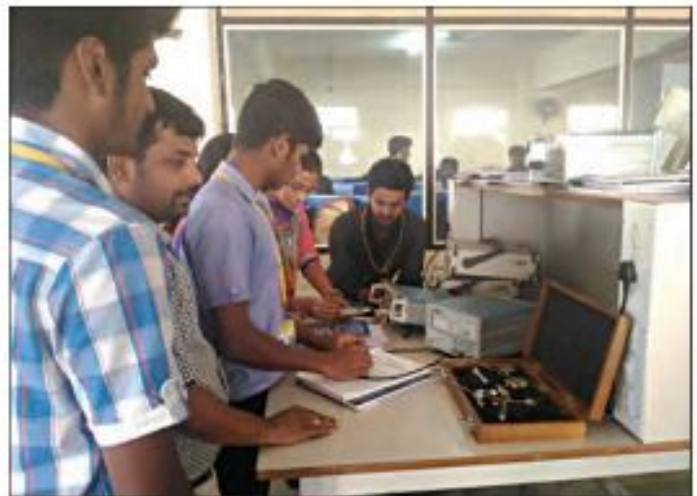
Analog Electronics Lab



Power Electronics Lab



HDL Lab



Advanced Communication Lab



Project Lab



Digital Electronics Lab

Department of Electrical and Electronics Engg.



Dr. V.S. Bharath

HOD

The EEE Department was established in the year 2001 with an intake of 40 students for the UG program (BE). At present the intake has been enhanced to 120 students, a Post Graduate program (M.Tech) in Power Electronics course started in 2008 with an intake of 18 students and VTU Research Centre has also started in 2014 and has seen good progress as many scholars have registered for Ph.D. The department was accredited by "NATIONAL BOARD OF ACCREDITATION (NBA)" for the first time in the year 2007 and the Accreditation was renewed in the year 2016. The Department of Electrical and Electronics Engineering got NBA Accreditation for the Third time for three years from 2018 to 2021. The department is also accredited by NAAC.

VISION

To meet the educational and research needs of the student community and staff through collaboration with other academic and technical institutions, industry and government agencies and make the students to face problems of the country and society as a whole.

MISSION

M1 - To develop and train competent Electrical and Electronics Engineers with adequate practical skills.

M2 - To provide state-of-the-art resources that contribute to achieve excellence in teaching-learning, research and development activities.

M3 - To inculcate, ethics, leadership, moral values and social activities.

INDUSTRY INTERACTION

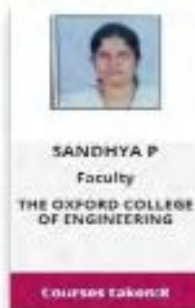
In order to ensure academic & industry compatibility, we have MOUs with the following companies. Venjay Automation, Bangalore, Prolific Systems and Technologies Pvt. Ltd., Bangalore, Axis Global Institute of Industrial Training (AGIIT), Bangalore, Think & Ink Education and Research Foundation, Bangalore

STAFF ACHIEVEMENTS

- Dr. Bharath V. S published a Patent on "Smart Stabilizer for Saving Energy", Patent No.201841043204 dated 8th February 2019.
- Dr. Bharath V. S is a BOE Member for Department of Electrical and Electronics Engineering in VTU, NHCE & Dr. Ambedhkar College of Engineering, Bangalore.
- Prof. Jayakumar. N & Prof. Devi. B has published a Patent on "IoT Based Advanced Traffic Management System" Patent No. 202041032370 dated 21/08/2020
- Prof. Sandhya Rai got Motivated Learner Award & Discipline Star Award during Dec 2019
- Prof. Prakruthi.P has received the below Awards:
 - Young Achievers Award Institute of Scholars in the year 2019
 - Young Scientist International Scientist Awards on Engineering, science and Medicine on 15th & 16th of Feb. 2020
 - Asian Education Award - 2020 on 5th Sept. 2020
- Prof. Prakruthi. P also received Life Fellow of "Indian Social Science Academy" Allahabad Since 2019

NPTEL AWARDS

NPTEL DISCIPLINE STARS - DEC 2019 NPTEL MOTIVATED LEARNERS - DEC 2019



Accreditation and Outcome Based Learning - Toppers list



S. DEVI VISMESHVAR 92%
THE OXFORD COLLEGE OF ENGINEERING

Accreditation and Outcome Based Learning - Toppers list

Body Language: Key to Professional Success Enhancing Soft Skills and Personality



with a consolidated score of 86 %



with a consolidated score of 95 %



with a consolidated score of 86 %

MAJOR RESEARCH ACTIVITIES IN THE DEPARTMENT

- Mrs.Viji.K, Associate Professor of EEE dept completed her Ph.D Viva Voce on 13th of September 2019 on "Discrete Sliding Mode Fuzzy Controller for Converter Applications" under the guidance of Dr.Anil Kumar &Dr.Nagaraj R.
- Mrs.Sandhya Rai, Associate Professor of EEE dept completed her Open Seminar - I on Feb 15th 2020 on Ph.D Thesis entitled "Design, Development and Validation of Neuro - Fuzzy Harmonics Filter for Nonlinear Harmonic Generating Loads" under the Guidance of Dr.Nagaraj R
- Mrs.Someswari.T, Assistant Professor of EEE dept completed her Open Seminar - II on March 3rd 2020 on Ph.D Thesis entitled "Development of Algorithm for Performance Optimization of Fuzzy Sliding Mode Control for Navigation System" under the guidance of Dr.Anil Kumar &Dr.Nagaraj R
- Mrs.Madhavi Dasari, Full Time Research scholar has completed her Open Seminar - I on August 29th 2020 on Ph.D Thesis entitled "Intelligent Techniques for MPPT Control in Photovoltaic System" under the guidance of Dr.Bharath VS, HOD/EEE



Prof Viji.K, Ph.D Viva Voce on 13/09/2019

FACULTY ACHIEVEMENTS

NPTEL Courses done by the Faculties:

Dr. Bharath, Mrs. Sandhya Rai, Mr. Jayakumar N, Mrs. Nisha C Rani, Mrs. B. Devi Vighneshwari, Mrs. Someswari.T, Mrs. Sumitha T L & Mrs. Resna S R have successfully completed NPTEL courses during Aug - Oct 2019 & Jan - April 2020.

Cent Percent Results:

Dr. Bharath V S, Dr. Viji. K, Mr. Jayakumar N, Mr. Muniyappa. N, Mrs. Manjula. C, Mrs. B. Devi Vighneshwari, Mrs. Nisha C Rani, Mrs. Someswari.T, Mrs. Sumitha T L, Mrs. Resna S R, Mrs. Vinutha Y E, Mrs. Deepa R, Mrs. Prakruthi, Mrs. Madhuri, Mr. Anoop HK, Mrs. Manjushree, gave cent percent results in various subjects in odd and even semester of 2019- 2020.

EVENTS ORGANIZED IN DEPT

GUEST LECTURES:

1. A guest lecture on "Industrial Automation", by Mr. H.S. Shivashankar conducted for VII Sem and V Sem students by Core Reserarch Group Engineer and Branch Engineer, Prolific Systems and Technologies Pvt Ltd, Bangalore on 31/10/19
2. A guest lecture on "Propects of Growing Plants in Space", by Dr. H.E. Shashidhar conducted for VII Sem and V Sem students of EEE, Professor of Genetics and Plant Breeding at University of Agricultural Sciences, Bangalore on 12/11/19.
3. A guest lecture on "Purpose Driven Life", by Dr. Joshua conducted for VII Sem, V Sem and III Sem students of EEE, Ex. Neurologist, Motivational Speaker / Face Reader on 14/11/19
4. A guest lecture on "Carrier Opportunities in Animation", by ICAT Technologies Bangalore on 16/11/19



Prospects of Growing Plants in Space



Guest Lecture on Purpose Drive Life

VIRTUAL WEBINARS ORGANIZED IN THE DEPT

1. Beginners Guide to Electric Vehicles by Dr. Deepa.R, Amrita College of Engineering, Bangalore on 20/06/2020.
2. Power System Operation & Control By Dr. S. Balamurugan & Dr. Lekshmi R.R, Amrita School of Engineering, Coimbatore on 09/07/2020 & 10/07/2020
3. Recent Trends in Power Electronics and Renewable Energy Sources by Dr. Balakrishna Singam, Siemens, on 15/07/2020
4. External Insulation Design for High Voltage Transmission System by Dr. Vasudev N, Addtl Director (Rtd), CPRI, Bangalore on 16/07/2020.
5. Effective Trouble Shooting of Industrial Motor Control Circuits by Dr. Arunachalam Sundaram on 25/07/2020
6. Insulation Coordination and Recent Trends in High Voltage Engineering by Dr. Ravi K.N, Prof, HOD/ EEE, SCE on 31/07/2020



7. Trends and Challenges of Sensors in Automotive Applications by Mr. Shamin Dudu T S, Robert Bosch, Bangalore on 01/08/20
8. Non Linear Control Strategies For Power Electronic Converters with Non-linear Loads by Dr. Tousif Khan.N, Asst.Prof/ EEE, SRM University, AP on 07/08/20



9. Silicon Carbide-Insights to an Emerging Technology in the field of Power Electronics by Dr. Yashomani Kolhatkar, Robert Bosch on 08/08/20
10. Importance Of Electromagnetic Compatibility (EMI / EMC) in Electronic by Mr. Aravind Kamath on 10/08/20
11. Design of Solar PV Power Plants Basics and Practical Approach by Dr. Vani Vijay Renewable Energy Consultants, Intec, Dubai on 14/08/2020



POSTER PRESENTATION - A National Level Poster Presentation was organized on 03/08/2020.



WORKSHOPS/ CONFERENCE

A Two day National Conference on Science, Engineering & Management – 2K20 organized by The Oxford College of Engineering on 15th & 16th July 2020.

Quiz Series – Online Quiz Events were conducted in various subjects of electrical Engineering. Participants from all over India attended our events.



Quiz Series – Online Quiz Events were conducted in various subjects of electrical Engineering. Participants from all over India attended our events.

INDUSTRIAL VISIT/EDUCATIONAL TOUR:

An Industrial visit was organized for V semester students on 04/10/2019 to "Mahatma Gandhi Institute of Rural Energy and Development" almost 80 students went and gained indepth knowledge about renewable energy



PAPER PUBLICATION BY FACULTIES:

- Dr. Bharath V S, presented a paper on "Construction of PV array and power calculation using ANFIS controller based MTPP" in the journal "Journal of advance research in dynamical and control systems" on 2019
- Dr. Bharath V S, presented a paper on "Development of PQ with solar PV integrated unified PQ conditioner" in the journal "ICEECOT-2019 " on 14-12-2019
- Prof. Sandhya Rai & Dr. Nagaraj. R, presented a paper on "Power Quality and Enhancement Techniques: Research Gaps and Current Trends" in the journal "International Journal of Innovative Technology and Exploring Engineering (IJITEE)", Volume-9 Issue-2, December 2019
- Prof. Sandhya Rai & Dr. Nagaraj, presented a paper on "An Efficient Hybrid Active Power Filter (H-APF) for Harmonic Mitigation using Compensation Techniques" in the "International Conference on

Sustainable Development, KGC-2019, Kalasalingam Academy of Research and Education, TN", 18th-20th DEC 2019

- Prof. B. Devi Vighneshwari, Prof. Sandhya Rai, Prof. Jayakumar N, Prof. Nisha C Rani & Prof. Nalina Kumari. A, presented a paper on "A Comparative Study on Various Power Quality Disturbance Classification Techniques" in the National Conference "NCSEM2K20", 15th & 16th July 2020
- Prof. B. Devi Vighneshwari, presented a paper on "Novel Classifier Design for Optimizing the accuracy for identification of disturbance in Power System" in the "International Journal Of Power Electronics (Inder Science Publications)", Vol - 12, No-2, 2020
- Prof. Manjushree, presented a paper on "High Speed Hardware Efficient PID Controller for MAV on FPGA" in the "IJRREM", July 2019
- Prof. Poornima M, presented a paper on "Smart Home Theater System on Odroid-C2" in the "IJERTV8IS080254 Technology", 08/08/2019

ONE DAY WEBINARS & QUIZZES ATTENDED BY FACULTIES

Faculty Name	Quizzes	Webinars
Mr. Jayakumar N	15	75
Mrs. Sandhya Rai J	8	15
Mr. Muniyappa N	2	15
Mrs. Devi Vighneshwari	5	15
Mrs. Nisha C Rani	20	190
Mrs. Nalina Kumari	2	15
Mrs. Sumitha T L	34	30

Faculty Name	Quizzes	Webinars
Mrs. Raichel Ruby	8	30
Mrs. Resna S R	21	196
Mrs. Someswari T	5	15
Mr. Anoop H K	3	22
Mrs. Prakruthi	0	25
Mrs. Manjushree	3	15
Ms. Poornima	3	15

ONE WEEK STTP / WEBINARS / FDP ATTENDED BY FACULTIES DURING MARCH - SEPTEMBER 2020

Name of the faculty	Webinar Attended
Mrs. Sandhya Rai, Mr. Jayakumar N, Mrs. Nisha C Rani, Mrs. Devi Vighneshwari B, Mrs. Sumitha T L, Mrs. Resna S R	Renewable Energy Systems
	Recent Advances In Electrical Engineering
	Recent Trends in Electrical Engineering
Mr. Jayakumar N, Mrs. Nisha C Rani, Mrs. Devi. B, Mrs. Resna S R, Mrs. Sumitha T L	Moodle Learning Management System
	Open Modelica and Open ISL
	"Scilab"
Mr. Jayakumar N, Mrs. Nisha C Rani, Mrs. Devi. B, Mrs. Sumitha T L	MATLAB for ALL (STTP)
Mr. Jayakumar N, Mrs. Nisha C Rani, Mrs. Devi B Mrs. Resna S R, Mrs. Raichel Ruby	Electric Vehicles: Challenges and Opportunities (AICTE Sponsored STTP)
Mr. Jayakumar N, Mrs. Nisha C Rani Mrs. Devi Vighneshwari B	Simulation Tools For Power Converters and Applications
	"Real time Applications of Power Electronics - Research Scope and Challenges"
	Simulation Tools For Power Converters and Applications

Mr.Jayakumar N Mrs.Nisha C Rani Mrs.Raichel Ruby, Mrs.Resna S R, Mrs. Sumitha TL, Mrs.Someswari.T	Micro Controller And Analog and Digital Electronics(FDP)
	Renewable Energy technologies Integration to the Power grid and Electric Vehicles
	Emerging green technologies for smart cities
	Performing and Designing experiments on virtual platform
Mrs.A.Nalina Kumar, Mrs.Nisha .C Rani,	"Power Quality and Reactive Power Management
	Explore Electrical Engineering in Industrial Applications
	EEED Webinar series
Mr.Jayakumar N Mrs.Nisha C Rani, Mrs.Devi.B Mrs.Resna S R, Mrs.Sumitha TL. Mr.Anoop H K, Mrs.Manjushree	The Step-By-Step Guide How to Write a Journal Article within 3 Months
	"Integration of Green Energy With Smart Power Systems"
	"Recent Challenges in Power Systems", (FDP)
	Integration, Storage and control in Hybrid Energy System
Mrs. Prakruthi. P	Up skilling for the future: Technical Innovations & Research Opportunities in Power Engineering
	Research Perspective of Artificial Intelligence in Electrical Engineering
	Faculty Development Program on "Sensors & Their Applications"
Ms.Poornima	Webinar on 'Recent trends in power management strategies for optimal operation of distributed energy resources in Micro grids'
	"Recent Trends in Electrical Engineering"

Student Toppers in the year 2019 - 2020:

EVEN SEMESTER - June/July 2019				ODD SEMESTER - Dec 2019 / Jan 2020			
SEM	USN	NAME	%	SEM	USN	NAME	%
VIII	1OX15EE030	HEMANTH R	86.71	VII	1OX16EE023	KUSUMA S C	87.88
	1OX15EE078	SAUD AHMED KHAN	86.00		1OX16EE071	SWATHI K	87.25
VI	1OX16EE023	KUSUMA S C	87.50	V	1OX17EE003	ABHISHEK V	87.625
	1OX16EE029	NIKITHA M	86.25		1OX17EE006	AISHWARYA S P	86.00
IV	1OX17EE003	ABHISHEK V	87.00	III	1OX18EE021	HARSHITH J G	90.00
	1OX17EE055	SAGAR D	85.75		1OX18EE006	ANURAG TIWARI	88.88
II	1OX18EE014	DILDAR BASHIR KUMAR	86.62	I	1OX19EE005	CHETHAN V R	85.00
	1OX18EE006	ANURAG TIWARI	83.37		1OX19EE039	VINAY C	82.75

Placements in the Dept:

STUDENTS PLACED DURING 2019-20 WITH HIGH PACKAGE.	
NAME OF COMPANY	Student Names
Infosys	HarshaYallappa, Rahul Deshpande, Swathi H, Liya Elizabeth Baby, Ravi Yallappa Bajantri, Dhanush H S, Priyanka.M, Bhoomika, Mohammed Saad Pasha, Bhargavi.T, Vijay Suresh, Sandhya S, Lingutla Shravya, S.Ashritha Shree, Dheeraj.R, Sahana Suresh Kanthi
Square Yards	
IndiaMART InterMESH Ltd	
Freenkart	
Huawei Technologies	
Pentagon Space Pvt Ltd	
DreamGains Financials India Pvt. Ltd	

STUDENT ACTIVITIES:

Name of The Student	Details of the Event
Nikitha M, Rakshitha S, Ramya R, AkshayKumar S, Rohit Nayak, Mohammed Saad Pasha, Pooja K, H, Vidhyashree J, Akshatha B, Nithya H N, Akila, Nithya N	Webinar on Smart Grid on 30/April/2020
Suharsha L, Rakshitha S, Javeriya Sadaf	E-learning Skills Enhancement on 05/05/2020
Rakshitha S	Challenges in Power Engineering on 13/05/2020, Grid Connected & Stand alone Solar Plant Design using Homer - Pro on 14th May 2020,Managing Expectations in the Job Market during Crisis - On 12th May2020, Introduction to IoT and aurdino, SCILAB
Archana R S	Internet of Things workshop on 01/02/2020
Akshay Kumar	Python in Hindi on 19/05/2020
Abhishek V	Course on Cloud, AWS, Azure from 05/08/2019 - 05/02/2020 also awarded A grade,Workshop on Quadcopter at IISC Bangalore during Pravega 20 on 30& 31 Jan2020,Introduction to Ethereum conducted by Nvest labs on 02/02/2020,Internship on Cloud Computing like AWS & Micro Soft Azure from 02/01/2020 - 29/02/2020
Ramya R	Carrier Edge - Knockdown the lockdown on 09/05/2020 - 23/05/2020
Kusuma S C	Workshop on Quantum dot/ Opti Fdtd Software on 4th & 5th October 19 Industry - Academia Interface for Student Employability - 28th to 2nd May 2020 VLSI Design Using Verilog - HDL on 26/08/2019
Rohit Nayak	The Fundamentals of Digital Marketing on 12/05/2020
Aishwarya S P	PLC & SCADA automation on 16/01/20 - 16/02/2020 Solar & Renewable on June 10th
Navya K A	How to gain experience and pocket money in COVID - 19 situation on 15/05/2020
Shaziya M B	Essay writing & Arts in Daksha 2020 on 12th - 14th May 2nd 2020 won 2nd Place,Story Writing Contest
Preethi P	Runner Up in Synergia at Parsec
Harshita M R	Perfect Resume Webinar on 19/04/2020
Akshata Kadiva, Manik Behure	Basics of Protection Relay on 28/05/2020
Shaziya M B	Online Essay Writing Contest on 28/05/2020

Ivana Merlin	International essay/article competition secured 2nd Rank,national level essay competition, slogan content secured first prize,Article writing contest secured first prize, Essay competition secured 2nd prize, Dhaksha write up competition second Runner up, Essay writing contest (first prize)
Javeriya Sadaf	Virtual lab on 6/06/2020,Matlab for all from 4/06/2020-08/06/2020, Basic electronic and digital logic gates on 8th June, Expectations of employer from engg graduate in crisis time on 29/05/2020
Manik Belure	Engineers role during pandemics on 3rd & 4th June2020, Renewable Energy Conversion, Electrical Machines and Control Systems on 27/05/2020, Programming using Hardware Description Language on 28/05/2020, Substation and automation systems, Electrical Machines, Field and Embedded Systems
B R M Thirugunyeswari	Introduction to IoT & Aurdino on 10th Aug 20, Students Career Guidance on 1st Aug 2020, Python Programming, Drone & Self Driving Car, Robotics, International Hands on Workshop on Virtual Robotics, Innovation Opportunities in Robotics, Drone and AI Post Covid -19, Dialux, Introduction to Robotics, Smart Grid Webinar, Introduction to Arduino and Raspberry Pie, Matlab for all
Rohit Nayak	Fundamental of Digital Design on 13/05/2020
Shashi Kumar M	TCS ion Knock Down the lock down on 09/04/20 – 19/04/2020
Nithya N	Python for data science, Power Systems, Renewable Energy Conversions on 6th Jan2020, International Hands on Workshop on Virtual Robotics on 03/08/2020 to 09/08/2020, Engineers Role during Pandmics on 03rd & 4th June 2020
Akhila B G	Substation Automation System on 17/05/2020, Business Implications of COVID – 19 on 21/05/2020

OTHER STUDENTS ACTIVITIES:

1. B R M Thirugunyeswari of Vth Sem EEE won Third place in Poster Competition held in The Oxford College of Engineering on 03/08/2020.
2. Navya KA, Ruthik Gowda, Akshay Kumar, Shaziya, Javeriya, Uzma Parveen, Shahib Khan, Ramya R, Preethi, Sushmitha Harsha Byahatti, Shashank, Renuka, Priyanka, Dhanush, Sandeep, Manik Belure, B R M Thirugunyeswari, Akhila B G, Nithya N attended various quizzes conducted by other college during the lockdown period
3. Mr. Amith Kumar of VII Sem & Mr. Amith, Mr. Suharsha of III Sem EEE participated in Dr. Mumtaz Ahmed Khan Inter collegial Cricket Tournament on 12th October 2019 in Ghousia College of Engineering.
4. Ms. Ivana Merlin B of Vth Sem EEE successfully completed the course on "SMART GRID", NPTEL online certification programme Aug - Dec 2019 also she won the First Place in Essay Writing conducted on 07/11/19 for Vigilance Awareness Week by Bank of Baroda. She have done an Internship on Biodigester Environmental Monitoring during July 2019.
5. Mr. Abhishek V of Vth Sem EEE have done an Internship on "Industrial Automation Using PLC & SCADA" from Live Wire during July 2019. Also He have participated in one day hands on Python Workshop organized by Take it easy engineers in association with Tech fortune technologies on 11th August 2019.
6. Ms. Rashmi K S of VII Sem EEE dept has successfully completed the course on the "Fundamental of Digital Marketing" on 28/07/2019. Also She has attended 3 days Workshop on the "Electrical Designing" on Sep 2019.
7. Josephine Stephanie J & Rakshitha C participated in throw ball even in BMS college of Engineering on 01/10/2019
8. Uzma Parveen H I of II Sem EEE have participated in various Quiz events conducted by different colleges.
9. Anmol, Sagar D, Ruthik Gowda, Chethan H, Dhruva D L, Bhramanand Reddy, Naresh Prajapathi, Raghunandan won first place in Mime

LAB DETAILS

There are 2 laboratories well equipped with networking facility and also software packages such as MATLAB, Mi-POWER, ORCAD & PSPICE, AutoCAD for Electrical Drawings and Code Composer Studio for DSP Applications. There are 2 Electronics laboratories for performing experiments based on Power Electronics and Digital experiments for both UG and PG students. The department also has 2 Machine Laboratories and 1 High Voltage Laboratory for UG students for performing experiments based on Electrical Machines.



Basic Electrical Lab



Machines lab



High Voltage Lab



Control System Lab



Power System
Simulation Lab

Department of Mechanical Engg.



Dr. Madhu Sudana Reddy G
HOD

DEPARTMENT PROFILE

The department of Mechanical Engineering in The Oxford College of Engineering is a flagship. The department was started in the year 2002, and since then the department has been buzzing with activities viz., seminars, workshops, technical quiz, invited guest lectures, industrial visits, conferences etc., that enhance the employability of our students. The faculties of the department are cherry-picked and they are experts in their own field. The students admitted in the department are well trained both theoretically and practically to face the real world. Industry internship has been made compulsory for all the students. At the end of four years of study, the students are made industry-ready to take the bull by the horn. Also, many graduates from the department have acquired higher degrees from reputed universities at abroad. The alumni of the department are spread all over the world contributing significantly for the well-fare of the humanity. The students of the department have brought laurels to the institution by winning many medals at the university and state level sports competitions. The students are encouraged to participate in co-curricular activities and competitions.

VISION

To become a center of excellence providing state of the art Engineering education in Mechanical Engineering and making individual to be capable of building nation in the new millennium.

MISSION

Mission 1: To provide an excellent teaching and learning process for the students to meet the needs and standards of the current industries and higher learning process.

Mission 2: To promote research and development activity in the recent emerging trends of the Mechanical Engineering Department.

Mission 3: To provide the students with good communication skills, life-long learning, team spirit and leadership qualities to face the current society.

DEPARTMENTAL ACTIVITIES

Technical training was held on Creo Parametric and Python from 4-11-2019 to 11-11-2019 for the final year students by Mr. N.Sathish Sendhil from InfidOF and Mrs. Nikitha Jain from IIHT.

TECHNICAL WEBINARS:

1. The Department of Mechanical Engineering organized webinar on "Job opportunities in core industry" on 17th June 2020. Resource person was Mr. Adesh K, Co-Founder of GradPro, Bangalore. More than 100 students participated in the event.

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DEPARTMENT OF MECHANICAL ENGINEERING

WEBINAR
On
"JOB OPPORTUNITIES IN CORE INDUSTRY"
17th JUNE 2020, 09:00 PM

Resource Person
Mr. Adesh K, Co-Founder GradPro-Bangalore

Chief Patron
Dr. S.N.V.L. Narasimha Raju
President,
The Oxford Group of Institutions

Supporting Faculty
Mr. Nagaraja TV

Faculty Coordinators
Mr. Rahul D
Mr. Subhas V
Mr. Vidyadhar Pujar

Patrons
Dr. Anurag K
Director,
The Oxford Educational Institutions

Dr. Anand A S
Principal, TOCE

- The Department of Mechanical Engineering organized webinar on "Impact and strengths for higher education" on 19th June 2020. Resource person was Mr. Shivagurumurthy, Research Assistant in Shizuoka University, Japan. Many students participated in the event.

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DEPARTMENT OF MECHANICAL ENGINEERING
WEBINAR-2
On
"IMPACT AND STRENGTHS FOR HIGHER EDUCATION"
19th JUNE 2020, 06:00 PM

Resource Person
Mr. Shivagurumurthy
Research Assistant, Shizuoka University, Japan

Convener
Dr. Madhu Sudana Reddy G
HOD-ME, TOCE

Supporting Faculty
Mr. Vidyadhar Pujar
Mr. Vinay V

Faculty Coordinators
Mr. Prasad H Nayak
Mr. Vinay V
Mr. Raviprakash M

Chief Patron
Sr. S.N.V.L. Narasimha Raju
President,
The Oxford Group of Institutions

Patron
Dr. Aravamudan K.
Director,
The Oxford Educational Institutions

Dr. Aravind A S
Principal, TOCE

- The Department of Mechanical engineering organized webinar on "Scope in Automotive Industry" on 3rd July 2020 by Mr. Sundar Iyer, R & D Engineer, Volvo R & D Team. The Session Moderated by Dr. Madhu Sudana Reddy G, HOD-ME, TOCE, Bangalore.

THE OXFORD COLLEGE OF ENGINEERING,
DEPARTMENT OF MECHANICAL ENGINEERING WITH
ELITE TECHNO GROUPS

Topics Covered

- Current Trends & Technologies in Vehicle Dynamics & Design
- Engineering Positions in Core Industries
- Expectations of Industry from a Fresher
- How could you be Industry Ready to meet the requirement?

Takeaways from the Webinar

- Certificate to all Participants
- Understanding of how industry works
- Knowledge which you can implement

Organisers:
Dr. Madhu Sudana Reddy (Prof. & HOD)
Mr. Vidyadhar Pujar (Asst. Prof.)
Mr. Raviprakash M (Asst. Prof.)

REGISTER NOW
JULY 03 04:00 PM

Sundar Iyer
7 yr + Exp in Honda, Volvo Research & Development ME, Rochester IT, USA

- The Department of Mechanical Engineering organized webinar on "Internship Opportunities in the Market" on 4th July 2020. The Resource person was Mr. Asif, Founder of Princeton Smart Engineers.
- The Department Mechanical engineering organized webinar on "Scope in mechanical engineering and future aspects and opportunities" on 11th July 2020. The Resource person was Mr. Deepak Kumar, Founder of NCC Connect and defense job.com.

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DEPARTMENT OF MECHANICAL ENGINEERING
WEBINAR
On
"INTERNSHIP OPPORTUNITIES"
4th JULY 2020, 11:00 AM

Resource Person
Mr. Asif
Founder Princeton Smart Engineers

Convener
Dr. Madhu Sudana Reddy G
HOD-ME, TOCE

Supporting Faculty
Mr. Vidyadhar Pujar

Faculty Coordinator
Mr. Prasad H Nayak
Mr. Vinay V
Mr. Raviprakash M

Chief Patron
Sr. S.N.V.L. Narasimha Raju
President,
The Oxford Group of Institutions

Patron
Dr. Aravamudan K.
Director,
The Oxford Educational Institutions

Dr. Aravind A S
Principal, TOCE

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Department of Mechanical Engineering
WEBINAR
On
"Scope in mechanical engineering and future aspects & opportunities"
11th JULY 2020, 11:00 AM

Resource Person
Mr. Deepak Kumar, founder of NCC connect & defensejob.com
Click on the link for Registration: <https://forms.gle/kMD8rtV5G0u4nd7>

Convener
Dr. Madhu Sudana Reddy G
HOD-ME, TOCE

Supporting Faculty
Mr. Vidyadhar Pujar

Faculty Coordinators
Mr. Vinay K R
Mr. Shivasheshadri

Chief Patron
Sr. S.N.V.L. Narasimha Raju
President,
The Oxford Group of Institutions

Patron
Dr. Aravamudan K.
Director,
The Oxford Educational Institutions

Dr. Aravind A S
Principal, TOCE

- The Department of Mechanical Engineering organized the webinar on the topic "Full stack development of HAP Software HVAC" on 25th July 2020. The Convener was Dr Madhu Sudana Reddy G. Keynote speaker Mr. Asif, Founder of Princeton Smart Engineers. More than 80 people participated in the event.

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DEPARTMENT OF MECHANICAL ENGINEERING
WEBINAR-3
On
"FULL STACK DEVELOPMENT AND HAP SOFTWARE FOR HVAC"
25th JUNE 2020, 06:00 PM

Resource Person
Mr. Asif
Founder Princeton Smart Engineers

Convener
Dr. Madhu Sudana Reddy G
HOD-ME, TOCE

Supporting Faculties
Mr. Vidyadhar Pujar

Faculty Coordinators
Mr. Prasad H Nayak
Mr. Vinay V
Mr. Raviprakash M

Chief Patron
Sr. S.N.V.L. Narasimha Raju
President,
The Oxford Group of Institutions

Patron
Dr. Aravamudan K.
Director,
The Oxford Educational Institutions

Dr. Aravind A S
Principal, TOCE

7. The Department of Mechanical Engineering organized the webinar on the topic " Materials management in Automobile Industries" on 07th Aug 2020. The speaker for webinar was Dr. R. Saravana, Associate Professor, UVCE, Bangalore.
8. The Department of Mechanical Engineering organized the webinar on the topic " Measurements of Quality in Automobile Service Industries " on 20th Aug 2020. The speaker for webinar was Dr. R. Saravana, Associate Prof. UVCE, Bangalore.

Student Achievements

1. Prajwal P Patil, Thammaiah N S presented paper on " Nonlinear response of optical MEMS for health monitoring of railway track " in KAGADA, UVCE, Bangalore under the mentorship of Mr. Anup M Upadhyaya during 21st October 2019.
2. Prajwal P Patil, Thammaiah N S presented live paper on " Maximum Stress Identification of Aircraft Wing using Linear Static Analysis," International Conference on Airworthiness and safety of Aircraft and its systems, during 28-29th August 2019, Amity University, Lucknow.

Faculty Achievements

1. Mr. Anup M Upadhyaya received Research Excellence Award 2020 by Institute of Scholars for the paper presented in TENCON 2019 held in Kochi.
2. Mr. Varun K R attended one day FDP on "NX Additive Manufacturing" organized by CADMAXX, in associated with SIEMENS, on 1st June 2020.
3. Mr. Varun K R attended one week FDP on " Engineering Analysis for Thermo fluids Research Challenges " using Ansys conducted by VTU, Department of ME, and Kalburgi, from 27th July to 31st July 2020.
4. Mr. Varun K R attended online training program on "Microsoft office 365 products" organized by Department of ME, NMIT, on 4th August 2020.
5. Dr. Madhu Sudana Reddy G attended the webinar on "SCI paper & Research proposal writing" at Dr. AIT, Bangalore on 14th August 2020.
6. Mr. Vidhyadhar Pujar attended National Level AICTE sponsored short term training programme on "Industrial Internet of things " during 12th-16th August 2020.
7. Mr. Vidhyadhar Pujar attended 3 days International webinar on "New Approaches in Mechanical Engineering conducted by JSSS Academy of Technical Education, Bangalore, during 29th June to 1st July 2020
8. Mr. Vidhyadhar Pujar attended 1 week FDP on "Engineering Analysis for Thermo fluids Research Challenges" using Ansys conducted by VTU, Department of ME, and Kalburgi, from 27th July to 31st July 2020.

9. Mr. Vidhyadhar Pujar attended the webinar on " Indian Automotive Industry " at NMIT, Bangalore on 24th August 2020.
10. Mr. Raghavendra N attended one week FDP on " Engineering Analysis for Thermo fluids Research Challenges " using Ansys conducted by VTU, Department of ME, and Kalburgi, from 27th July to 31st July 2020.
11. Mr. Raghavendra N attended four days FDP on "Current Trends in Mechanical Engineering" organized by SJMIT, Chitradurga, from 22nd July to 25th July 2020.
12. Mr. Raghavendra N attended two days workshop on "Advanced Materials & Application " organized by SJMIT, Chitradurga, from 27th July to 28th July 2020.
13. Mr. Raviprakash M attended webinar on " Electrical vehicle changing schemes & impact on grid " organized by Bangalore University on 22nd July 2020.
14. Mr. Raviprakash M attended webinar on " Switched reluctance motor drives & its application in electric vehicles" organized by Bangalore University on 24th July 2020.
15. Mr. Raviprakash M attended one week FDP on " Engineering Analysis for Thermo fluids Research Challenges " using Ansys conducted by VTU, Department of ME, and Kalburgi, from 27th July to 31st July 2020.

Journal Publications

1. Mr. Anup M Upadhyaya published paper titled "Nonlinear Response of Fiber Bragg Grating for Health Monitoring of Railway Track" in IREE Explorer, 13th May 2020.
2. Mr. Vidhyadhar Pujar published paper titled "Mechanical Behaviour and fractography of Al228-Nano B4C Metal Composites" in International Journal of Engineering Advanced Technology, April 2020, ISSN: 2249-8958.

Conference publications

1. Dr. Madhu Sudana Reddy G and Mr. Anup M Upadhyaya presented paper on " Investigation & Characterization of Plasma Sprayed Cermet Coatings on Special Steel Alloy for Gas Turbine Applications " in NCSEM 2020 .
2. Mr. Varun K R presented paper on "Design fabrication and testing of aqua silencer" in NCSEM 2020.
3. Mr. Anup M Upadhyaya presented paper on" Optical Ring Resonator Based Diaphragm Pressure sensor for Biomedical Application in NCSEM 2020.
4. Mr. Anup M Upadhyaya presented paper on "Design and Analysis of Railway Wheel to Study Strain Variation" in NCSEM 2020.

5. Dr. Madhu Sudana Reddy G, presented paper on "Design and fabrication of magnetic generator unit for power generation" in NCSEM 2020.
6. Dr. Madhu Sudana Reddy G, presented paper on "Fabrication and Design of Drone Mounted Pesticide Spraying Mechanism for Agricultural Purposes" in NCSEM 2020.
7. Mr. Vidyadhar Pujar, presented paper on "Android Operated Wheel Chair" in NCSEM 2020.
8. Mr. Suhas V presented paper on "Design and Development of Chairless Chair" in NCSEM 2020.
9. Mr. Raviprakash M presented paper on "Design and fabrication of human rescue system" in NCSEM 2020.
10. Mr. Prasad H Nayak presented paper on "Fire Fighting Robot Using Arudino" NCSEM 2020
11. Mr. Rahul D presented paper on "Design and fabrication of vertical axis wind turbine to generating electricity" NCSEM 2020.

KSCST FUNDED PROJECTS

Sl. No	Project Title	Guide	Year	Funding Agency	Sanctioned Amount
1	Design of Voice Operated Wheel Chair Using Roger-Bogie Mechanism	Mr. Rohan	2019-2020	KSCST	6500
2	Automated Waste Segregation & Sterilization By UV Radiation	Mr. Nagaraja T V	2019-2020	KSCST	6000
3	Recycling of PET Plastic Using Fused Filament Extrusion Process	Mr. Shiva Kumar M	2019-2020	KSCST	6500

NCSEM CONFERENCE WEBINARS - 2020

Sl No	Name of the Conference and Other Activities	Date & Time	Resource Person	Faculty Co-ordinator
1	NCSEM - WEBINAR DAY 1 Topic: Quality Aspects of Bio-diesel	15 th July 2020 @ 1.30 -2.30 PM	Dr. Gaurav Dwivedi, MNIT, Bhopal	Dr. Madhu sudan Reddy G / Mr Vidyadhar Pujar / Mr Anup M U / Raghavendra N
2	NCSEM - WEBINAR DAY 2 Topic: Technologies for Triple Wins	16 th July 2020 @ 1.30 -2.30 PM	Dr. Srinivas Shroff Nagesha Rao	Dr. Madhu sudan Reddy G / Mr. Vidyadhar Pujar / Mr. Anup M U / Raghavendra N

QUIZ EVENTS CONDUCTED IN THE DEPARTMENT

Sl No	E - Quiz topic	Date & Time	Faculty Co-coordinator
1	Mechanical Measurement and Metrology	18 th June 2020	Mr. Vinay V/ Mr.Varun K R
2	Engineering Graphics	18 th June 2020	Mr. Shivsheshadri / Mr. Suhas V / Mr. Raghavendra N
3	Mechanical Engineering Sciences	19 th June 2020	Mr. Raghavendra / Mr. Nagaraja T V
4	Operation Research	19 th June 2020	Mr. Anup M U / Mr. Nagaraja T V

5	Design of Machine Element	19 th June 2020	Mr. Prasad Nayak / Mr. Vidyadhar
6	Applied Thermodynamics	19 th June 2020	Mr. Varun K R / Mr. Raghu
7	Heat Transfer - 1	20 th June 2020	Mr. Varun K R / Mr. Raghu K
8	Kinematics of Machine	20 th June 2020	Mr. Raviprakash / Mr. Suhas M
9	Heat Transfer - 2	4 th July 2020	Mr. Varun K R / Mr. Raghu K
10	Smart Materials	6 th July 2020	Dr. Madhu Sudana Reddy G / Mr. Anup
11	Flexible Manufacturing System	6 th July 2020	Mr. Vinay V / Mr. Rahul D
12	Fluid Mechanics	7 th July 2020	Mr. Rangu P
13	Standards of Measurement	8 th July 2020	Mr. Varun K R / Mr. Vinay V
14	Gears	9 th July 2020	Mr. Prasad Nayak / Mr. Vidyadhar
15	Belt Drives	10 th & 11 th July 2020	Mr. Prasad Nayak / Mr. Vidyadhar
16	Robotics	10 th & 11 th July 2020	Mr. Vinay V / Mr. Rahul D
17	Theory of Metal Cutting	10 th & 11 th July 2020	Mr. Vinay V / Mr. Rahul D
18	Automobile Engineering	11 th & 12 th July 2020	Mr. Rangu P / Mr. Raghu K
19	Applied Thermodynamics	11 th & 12 th July 2020	Mr. Raghu K / Mr. Varun K R
20	Computer Numerical Control	22 nd & 23 rd July 2020	Mr. Vinay V / Mr. Rahul D
21	Measurement of Pressure, Strain and Temperature	22 nd & 23 rd July 2020	Vinay V / Varun K R
22	Tribology and Bearing Design	23 rd July 2020	Dr. Madhu Sudana Reddy G, Anup
23	Heat Transfer - 3	23 rd July 2020	Mr. Varun K R / Mr. Raghu K
24	Clutches and Brakes	23 rd July 2020	Mr. Prasad Nayak / Mr. Vidyadhar Pujar
25	Additive Manufacturing	24 th July 2020	Dr. Madhu Sudana Reddy G / Mr. Anup M U / Mr. Rahul D

DETAILS OF LABORATORIES :

1. Workshop Lab

Description: Engineering Workshop lab having Electric arc welding equipment's, Fitting equipment's. Students will learn to demonstrate and produce different types of fitting models. Gaining knowledge in development of sheet metal models and understanding their applications. Performing soldering and welding joints and understanding the basic workshop practices.

Conducted Labs: Workshop



2. CAED Lab

Description: Lab is well equipped with computers in the Department and are used to teach industry oriented softwares like solid edge and CAM Software. Students will able to create solid parts in the software's and they will able to do assembly operations.

Conducted Labs: CAED, CAMD, CAE



3. Material Testing Lab

Description: Material Testing Lab is having Universal Testing Machine, Compressive Test Machine, Impact testing Machine, Furnace, Brinell, Rockwell and Vickers's Hardness testing machines and different types of testing machines. Students will acquire experimentation skills in the field of material testing.

Conducted Labs: Material Testing Lab



4. Foundry and Forging Lab

Description: Foundry and Forging Lab consist of Split pattern, Match plate pattern and Core boxes, foundry tools, forging tools, Sieve Analysis machine, permeability meter and Universal Sand Testing Machine. Students will gain the knowledge and necessary skills to perform sand testing and preparation of moulds, metal forging operation.

Conducted Labs: Foundry and Forging Lab.



5. CIM Lab

Description: The lab is well equipped with computers and having ANSYS software - Mechanical APDL, CIM Machining Software. Students will able to demonstrate the basic features of an analysis package, Using the modern tools to formulate the problem and able to create geometry, apply boundary condition to solve problems of bars, truss, beams, plate to find stress with different loading conditions.

Conducted Labs: Ansys Lab, CIM Lab



1. Machine Shop Lab

Description: Machine shop Lab consists of lathe machines, grinding Machines, Shaping Machines, and Milling Machines for students to understand the various machining operations. Students will be able to understand the cutting tool parameters of single point cutting tool & multipoint cutting tools.

Conducted Labs: Machine Shop Lab



2. MMM Lab

Description: Lab is provided with Screw Gauge, Vernier Calipers, Optical Sets, Bevel Protractor, Sine Bar, Sine Center, Tool Maker Microscope, Gear Tooth Micrometer, and Optical Flats. Students will be able to understand the basic measurement units and able to calibrate various measuring devices and express error and correction factors of various measuring devices.

Conducted Labs: MMM Lab



3. FM Lab

Description: Lab is equipped with Orifice meter, Nozzle Meter, Venturimeter, two stage reciprocating air compressor, Pelton Wheel, Francis Turbine & Kaplan turbine. Students will be able to determine the coefficient of discharge of flow measuring devices and energy flow pattern through the hydraulic turbines and pumps.

Conducted Labs: FM Lab



4. Energy Lab

Description: Lab is provided with two stroke engine, four stroke engine, valve timing, and viscosity measuring instruments. Students will be able to determine the properties of fuels and oils and test basic performance parameters of I.C. Engine.

Conducted Labs: Energy Lab

5. Heat Transfer Lab

Description: Heat and Mass Transfer lab consists of vapour compression testing machine, vapor compression air conditioner, heat exchangers, vapor compression Refrigerating machine. Students will be able to practically relate to concepts discussed in the Heat & Mass Transfer course and determine the thermal conductivity and heat transfer coefficient in various materials.

Conducted Labs: Heat Transfer Lab

6. Design Lab

Description: Design lab is equipped with Gyroscope, strain rosettes, Governors, strain gauge, journal bearing, Porter and Hartnell Governor, Strain rosettes. Students will be able to relate the concepts discussed in Design of Machine Elements, Mechanical Vibrations & Dynamics of Machines courses and understand the working principles of machine elements such as Governors, Gyroscopes.

Conducted Labs: Design Lab

Department of BIOTECHNOLOGY



Dr. B. K. Manjunatha
HOD

Biotechnology is a multi-disciplinary field having applications in multiple fields including health care, agriculture, industrial and environmental uses. It has encompassed all the fields of life and technology, and is currently a multi-billion enterprise. This rapidly advancing branch was initiated in our college in the year 2003. Since then, the Department is growing vertically in terms of academics, research, co-curricular and extracurricular activities facilitating the all round growth of students. The Department is permanently affiliated to VTU and has been accredited by NAAC. The Department has bagged ranks in both UG and PG programs. The Department has excellent infrastructure involving well maintained classrooms and highly equipped laboratories which are designed for today's technological challenges. The Department is doing outstanding research work in two VTU approved Research and Development (R & D) centres, the Centre for Natural Products Research & the Center for Computational Medicinal Chemistry in Drug Discovery. In these R & D centers, several funded research projects have been carried out and many projects are ongoing. Research grants have been received from various national and state government funding agencies like DBT-BIRAC, DRDO-NRB, DAE-BRNS, AICTE, VGST-KFIST, VTU, KSCST and NIF. These projects are instrumental in strengthening our core research activities which are beneficial to both students and staff. They have also generated sufficient amount of funds to equip our department with necessary instrumentation and other requirements. Highly qualified and seasoned faculties who are capable of nurturing the overall growth of students are also actively involved in conducting various programmes and activities in the Department.

MILESTONE ACHIEVED:

We are proud to announce that the Department of Biotechnology has been accredited by National Board of Accreditation (NBA) for a period of 3 years from the academic year 2019-2020 to 2021-2022. An expert team from NBA conducted an on-site evaluation of the programme during 3rd - 5th of May, 2019.

VISION

Aspiring to be recognized as a premier source of outstanding graduates, who in turn will help their enterprise attain and sustain industrial and societal competitiveness.

MISSION

M1 To embrace and disseminate fundamental and applied knowledge of Biotechnology Engineering to attain academic excellence and industrial competency

M2 To empower the students for enhanced performance through continuous learning and research capabilities in multidisciplinary domains

M3 To create awareness about professional conduct and socio-ethical implications of potentials of biotechnology

M4 To equip the students to interrelate biotechnological solutions for present day challenges

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS) OF THE DEPARTMENT:

1. To endow students with basics of mathematics, life sciences and engineering necessary to analyze and solve scientific problems.
2. To provide students with the necessary instructions and relevant practical experience combined with exposure to and adequate training to face basic challenges in Biotechnology.
3. To inculcate scientific temperament in students to pursue and engage in research projects related to health, food and environment.

4. To prepare students with efficient communication skills, team spirit and leadership qualities and awareness of professional conduct and mould them into responsible and competent engineers.
5. To empower students to work in scientific environment with ethical values and social responsibilities.

PROGRAMME SPECIFIC OUTCOMES OF THE DEPARTMENT (PSOs):

1. Graduates will gain and apply knowledge of Science, Biotechnology and Engineering concepts in order to design and perform the experiments followed by validating the data to solve complex problems in the multidisciplinary research fields of Biotechnology.
2. Graduates will be able to analyze, appraise and develop technologies to address the Biotechnology Engineering problems while keeping in mind safety and ethical factors to safeguard the environment and society at large.

RESEARCH GRANTS & ACTIVITIES

1. Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a project grant of Rs 40 lakhs from DRT-BIRAC for the project entitled "Efficient bioremediation tool for hydrocarbon contamination management. Scale up and pilot scale study".
2. Dr. B.K. Manjunatha, HOD & Dean Research, has developed and patented a bioremediation kit called Petrozap for oil spill treatment funded by Naval Research Board, New Delhi (Patent APP No. 201741042005, CBR no. 36125,)Date of Domestic patent filing - 23.11.2017.
3. Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a project grant of Rs 4.5 lakhs from NIF, Ahmedabad for the project entitled "Nanotization of Potential Indigenous Herbal Medications for Reducing Blood Pressure"
4. Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a grant of Rs 4,78,758/- from AICTE under AQIS 2019-2020, for conduct of FDP titled " Bioinnovation, Patenting & Entrepreneurship Opportunities in Biotechnology for sustainable Environment".
5. Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a grant of Rs 4,06,333/- from AICTE under AQIS 2019-2020, for conduct of STTP titled " Startup Driven Bio innovation and IOT for sustained Agritech"

Ph.D AWARDED

1. Mrs. Valarmathy. K, Assistant Professor, the Department of Biotechnology was awarded Doctor of Philosophy (Ph.D) in the field of Biotechnology from Barathidasan University on October 2019.



2. Mr. Syed Murthuza, research Scholar, the Department of Biotechnology was awarded Doctor of Philosophy (Ph.D) in the field of Biotechnology from VTU on February 2020.



Syed Murthuza, Comprehensive Viva Voce Presentation

Faculty List for 100% result (2017-2018- ODD).

Every year our faculties are felicitated for providing cent percent results in their respective subjects. The result is as follows.

SL. No	FACULTY	SUBJECTS
1	Dr. Valarmathy. K	Lab to industrial scaling, Biokinetics & reaction Engg, Cell biology
2	Dr. Gangadhar Gouripur	Plant BT, Animal BT
3	Mr. Divakara. R	Molecular diagnostics, Introduction to biomolecules, Immunotechnology
4	Ms. Salma Kausar. M	Microbiology, Cell biology
5	Ms. Aswathi Unnikrishnan	Fermentation technology, Environmental BT

INDUSTRY - ACADEMIA INTERACTION.

As learning is a never ending process and is essential part of the teaching process the faculties are continuously

upgrading their knowledge & skills by actively participating in conferences & workshops outside the organization.

1. Dr. Gangadhar Gouripur attended One- Day National Seminar on "Quality Enhancement & Sustenance in Higher Education" on 5th July, 2019 held at The Oxford College of Science, Bangalore.
2. Dr. B.K. Manjunatha attended Conference on "Anti-Inflammatory Activity of Myrica" conducted by the Department of Biotechnology at Acharya Institute of Technology on 23rd and 24th August, 2019.
3. Ms. Salma Kausar attended two day National Conference on "Present Trends in Biotechnology Strategies for Health & Environment", organized by the Department of Biotechnology, Adhiyamaan College of Engineering on 25th & 26th September, 2019.



Ms. Salma Kausar & Students of 5th Semester at Adhiyamaan College of Engineering, Hosur

4. Dr. B.K. Manjunatha and Dr. Valarmathy. K attended National Seminar "Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives" BBAM-19 organized by the Department of Botany, Bharathiar University, Coimbatore on 3rd and 4th October, 2019.
5. Dr. B.K. Manjunatha and Dr. Valarmathy K attended National Symposium "CHEMEXEL 2019" at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019 and presented a working model on "Design of Continuous Stirred Tank Reactor for Ethanol Production" and presented a paper on "Analysis of Bioplastic Production from Lignocellulosic Wastes".
6. Dr. B.K. Manjunatha, Dr. Valarmathy K and Divakara R attended International Workshop on Biology and Applications of Actinomycetes held at University of Mysore, Mysore during 31st October - 1st November, 2019.
7. Dr. B.K. Manjunatha attended "Global Bio-India 2019 - Power to Transform Lives" Biosciences to Bioeconomy-USD 100Bn By 2025, Led by Department of Biotechnology, Govt. of India during 21st- 23rd November, 2019 at Aerocity, New Delhi.



Dr. Manjunath at Global Bio-India 2019, New Delhi

8. Mr. Divakara. R attended Two weeks online training course on "Advances in Smart Food Processing Technologies" from 4-15th June, 2020 organized by the Centre for Advanced Agricultural Science and Technology (CAAST), Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra

GUEST LECTURES & WEBINARS ORGANIZED

The modern education system has made guest lectures an important part of their learning strategies. Students get to see the insight and perspective of the guest speaker's particular field. The Department has organized various guest lectures and webinars in view of the ongoing pandemic for the benefit of its staff and students.

1. An expert lecture on "Career Opportunities in Biotech Industry" by Dr. Ramgopal Rao S, Biocon Limited, Bengaluru, was organized by the department on 8th August, 2019.



Expert lecture on "Career Opportunities in Biotech Industry" by Dr. Ramgopal Rao. S, Biocon Limited

2. A lecture on "Role of Molecular Modeling in Drug Designing" by Dr. Girinath G Pillai, Zastra Innovations, Bengaluru, was organized by the Department on 19th September, 2019.
3. An expert lecture on "SAS Programming" by Dr. Manjunath Reddy professor from R.V. College of engineering, Bengaluru, was organized by the Department on 29th September, 2019.



Expert lecture on "Role of Molecular Modeling in Drug Designing" by Dr. Girinath G Pillai, Zastra Innovations



Expert lecture on "SAS Programming" by Dr. Manjunath Reddy, RV College of Engineering

4. An expert talk on "Basics of Profile Building for Career Choices" by Career labs in association with Byju's on 6th March 2020 was organized by the department..



"Basics of Profile Building for Career Choices" by Career labs in association with Byju's

5. A webinar series 1 lecture was organized by the Department on "Drug Discovery in SARS CoV2 Targets" by Dr. Girinath G Pillai, Zastra Innovations, Bengaluru, on 18th June, 2020.
6. A webinar series 2 lecture was organized by the Department on "Generations of Biofuels and future challenges: Is Algae the Biofuel of the future" by Dr. Kishore G, Research Scientist, Department of Biological Sciences, Wayne state University, Detroit, USA 6th July, 2020.

7. A webinar series 3 lecture using online platform was organized by the Department on "Clinical trials & Clinical Data Management" by Mrs. Tanuja T, clinical data lead, ICON clinical research India pvt ltd, Bengaluru on 25th July, 2020.
8. A webinar series 4 lecture using online platform was organized by the Department on "A Candidate Multi-epitope vaccine against SARS-Cov-2" by Dr. Anurag Srivatsav, professor from Garden City University, Bengaluru on 28th July 2020.
9. A webinar series 5 lecture was delivered by Mr. Abdul Waheed Alumnus of the Department on the topic "Upstream Process Development- Best Practices in Scale Up & Tech transfer" MSAT-Associate manager, Biocon Biologics India LTD, bengaluru on 29th July 2020.

CONFERENCE/WORKSHOP ATTENDED BY STUDENTS

Students are encouraged to attend conferences, symposium, workshops and training. By participating in these events they get an opportunity to exchange their ideas, participate in debates and develop acquaintance with people from industries and other institutes. This helps them to build network and increase their awareness of new trends happening in their area of interest. The following students have actively participated in national and state level programs organized by various institutes:

1. Devi Vara Prasad attended India- UK collaboration meet, conducted on 7th June, 2019 at National Institute of Advanced Sciences (NIAS), IISc, Bangalore.



Devi Vara Prasad at NIAS, IISc,

2. Arpita K of 5th semester delivered an Oral Presentation on "Anti- Inflammatory Activity of Myrica" conducted by the Department of Biotechnology at Acharya Institution on 23rd and 24th August, 2019.
3. Preetam A, Sumalatha M and Mala N presented a poster on "Invitro Propagation of Leucas aspera" at Two Day National Conference on "Present Trends in Biotechnology Strategies for Health & Environment, organized by the Department of Biotechnology, Adhiyamaan College of Engineering on 25th & 26th September, 2019.



Arpita K at Acharya Institute of Technology



5th semester Students at Adhiyamaan College of Engineering, Hosur

4. Anoop M and Akshay S, Krishnadev and Dhanush P of 5th semester participated in Hands-on Training Programme on "Taxonomic Identification of Coastal and Oceanic Copepods (TICOC- 2019)" held during 3rd – 5th October 2019 at the Marine Planktonology & Aquaculture Laboratory, Bharathidasan University, Tamil Nadu.
5. Akshay V Nair, Preetham A, Rahul N, Prakash Nath of 5th semester has presented a paper on "Production of Cellulase Using Banana Pseudostem" in National Seminar "Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives" BBAM-19 organized by the Department of Botany, Bharathiar University, Coimbatore on 3rd and 4th October, 2019.



5th Semester Students attend National Seminar at Bharathiar University, Coimbatore



7th Semester Students at IBAB, Bangalore

6. Prathyusha Pedapati, Preethi K.P, Soniya V, Abdul Basith Ali and Krithika S from 7th Semester attended a conference on "Regulatory Compliance Requirements at Institute of Bioinformatics and Applied Biotechnology (IBABA) on 10th October, 2019.
7. Sidharth B.R. and Akshat Jaiswal of 7th Semester presented a poster in the 1st International Conference on Life, Chemical and Health Sciences (ICLCHS) from 24-26th October, 2019, organized by Department of Life Sciences, Ramaiah College of Arts, Science & Commerce in collaboration with Karnataka Science and Technology Academy (KSTA), Department of IT, BT and Science & Technology, Government of Karnataka (GoK).
8. Kunalika M Hemanth, Gamyashree K, Noor Tuba, Sushma Bhandarkar M, Komalesh S, Dhanush P Reddy, Purushotham and Atul Anand Gupta of 5th Semester presented a model on "Multipurpose Bioreactor" at National Symposium "CHEMEXEL 2019" at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
9. Azra Taskeen, S. Kushmitha Jadhav, Rahul N, Akshay V of 5th Semester presented a paper on "Analysis of Bioplastic Production from Lignocellulosic Wastes" at National Symposium "CHEMEXEL 2019" at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
10. Azra Taskeen, S. Kushmitha Jadhav, Rahul N, Akshay V of 5th Semester presented a paper on "Design of Continuous Stirred Tank Reactor for Ethanol Production" at National Symposium "CHEMEXEL 2019" at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
11. M. Purushotham Rao of 5th Semester participated in Technical Quiz at National Level Students'

Symposium CHEMEXCEL-2K19 organized by the Department of Chemical Engineering, Bapuji Institute of Engineering and Technology, Davangere on 25th and 26th October, 2019.

12. Noorayisha Khanam, Annapoorna Devi, Aswathy K.H. attended a workshop on "Data Structures" held on 26th October, 2019 at ABC Office, Vijayanagar.
13. Flavia Catherine V V, Jesna Daniel, Nigi Paul C, Preethe R of 5th Semester presented a poster on "Biogenic Synthesis of Functionalised Antibiotic Nanoparticles From Actinomycetes" at the International Workshop on Biology and Applications of Actinomycetes held at University of Mysore, Mysore during 31st October - 1st November, 2019.
14. Arpita K, Gamyashree K and Atul Anand Gupta of 5th Semester presented a poster on "Participation of Public in Promoting the Integrity and Eradicating Corruption" on the mark of observing Vigilance Awareness Week conducted on 7th November, 2019 by Bank of Baroda.



5th Semester students at Poster Competition conducted by Bank of Baroda, TOCE

15. Devi Vara Prasad attended the workshop "Patent in 1 year" organized by Banana IP Solutions, Yelachanahalli on 23rd November, 2019.
16. Akshay V Nair, Mizba Farkana M, Purushotham Rao M and Purvika C attended 10 days integrated workshop on "Downstream Processing of Phytopharmaceuticals and Nutraceuticals- Research and Industrial Applications" organized by the Department of Biotechnology, Sir M Vishveshvaraya Institute of Technology (SMVIT) in association with Himalaya Drug Company, Bangalore from 7th September, 2019 to 14th December, 2019.

STUDENTS' ACHIEVEMENTS:

Students are encouraged to participate in various conferences, workshops & intercollegiate competition to enhance their knowledge and interpersonal skill and have brought laurels to the Department.

1. Azra Taskeen, S. Kushmitha Jadhav, Rahul N, Akshay V of 5th Semester secured 1st place for "Design of Continuous Stirred Tank Reactor for National

Symposium "CHEMEXEL 2019" organized by Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.

2. M. Purushotham Rao of 5th Semester secured 2nd place in Technical Quiz at National Level Students' Symposium CHEMEXCEL-2K19 organized by the Department of Chemical Engineering, Bapuji Institute of Engineering and Technology, Davangere on 25th and 26th October, 2019.
3. Kunalika M Hemanth, Gamyashree K, Noor Tuba, Sushma Bhandarkar M, Komalesh S, Dhanush P Reddy, Purushotham and Atul Anand Gupta of 5th Semester secured 2nd place for "Multipurpose Bioreactor" at National Symposium "CHEMEXEL 2019" at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
4. Akshay V Nair, Preetheam A, Rahul N, Prakash Nath of 5th Semester secured 1st place in National Seminar "Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives" BBAM-19 organized by the Department of Botany, Bharathiar University,

BIOX-FORUM EVENTS:



5th semester students presenting Bioreactor models and posters

1. BIOMODELING

The Department encourages students to make scientific models for better understanding of the subject. This semester, an exhibition of models based on "Health and Environmental Aspects of Microbiology" and "Design a Bioreactor for Environmental Applications" under the guidance and support of Ms. Salma Kausar and Dr. Valarmathy K were displayed by 3rd semester and 5th Semester students on 4th and 18th October, 2019.



5th Semester students presenting Bioreactor models and posters

2. VIRTUAL SYMPOSIUM

A 5-days international virtual symposium on "An Insight to Biotechnological Applications" was organized by the Department from 5th to 10th August 2020. Eminent speakers from various domains in the field of biotechnology delivered an expert talk from the field of their specialization.

The Oxford College of Engineering
Department of Biotechnology

Five Days International Virtual Symposium on
"An Insight to Biotechnological Applications"
From
5th to 10th August 2020

Chief Patron
Dr. A. K. S. Prasad, Vice President, The Oxford Group of Institutions

Patrons
Dr. M. S. S. Prasad, Director, The Oxford Group of Institutions
Dr. M. S. S. Prasad, Principal, The Oxford College of Engineering

Convenor
Dr. M. S. S. Prasad, Head of the Department, Dept. of Biotechnology

Organizing Secretaries
Dr. M. S. S. Prasad, Assistant Professor, OCE, No. 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

INDUSTRIAL VISITS

The Department has prepared the students to be experts in the industry right from the first day of the first academic semester.

1. Industrial visit was organized on 11th October, 2019 for 7th semester students to Bioceen, Bangalore.



Dr. Valarmathy K & 7th Semester students visit Bioceen as a part of industrial visit

Students obtained a practical exposure on Design, Automation and Scale up Process using Fermentors & Bioreactors accompanied by Dr. Valarmathy K.

2. To make the students industry ready & also to escalate their creativity and to get an insight into entrepreneurial opportunities students were encouraged and taken for a Factory visit and Technical Talk Program at M/s. PMI Process Systems held on 28th September, 2019, organized by ISIIRAE, Bangalore Chapter accompanied by Mrs. Aswathi Unnikrishnan, Assistant Professor, Department of BT.



Ms. Aswathi with 5th Semester students at PMI Process Systems

STUDENT INTERSHIP TRAINING

As part of the curriculum students are undergoing internship at various industries & organizations. Following is the list of students undergone internship training.

1. Akshay V Nair, Atul Anand Gupta & M Purushotham Rao, of 6th Semester underwent internship at Star Hi Herbs Pvt Ltd for the project titled "Identification and extraction of phytochemicals" from 28th Jan 2020 to 10th Feb 2020.
2. Ms. Anusha S of 6th Semester underwent online internship at John Hopkins University for the project titled 'Introduction to the biology of cancer' from 25th Jul 2020 to 3rd Sept 2020.
3. Ardrha Anil, Gamyra Shree K, Jasmine Veronica G, Rahul N, S Kushmitha Jadhav, at Credora life Sciences, for the project titled "nucleic acid extraction, PCR amplification, basic bioinformatics tools based sequence analysis" from 13th Jan 2020 to 13th Feb 2020
4. Ms. Arpitha K of 6th semester undergoing internship at IIT Roorke for the project titled "Insilico Research On AMR."
5. Ms. Azra Taskeen of 6th Semester underwent internship at Vikram Hospital, Bangalore for the project titled "Microbiology and disease diagnosis through various tests" from 8th Jan 2020 to 22nd Jan 2020.
6. Dhanush P & Komalesh S, of 6th Semester underwent internship at Cipla Ltd for the project titled "unit

operation, analysis of drug molecules (API) using analytical instruments" from 3rd February 2020 to 14th February 2020.

7. Harshitha S Thodkar, Mala N, Saima Jamal & Sumalatha M of 6th Semester underwent internship at M/S Nawal Analytical Laboratories for the project titled "study of instruments and processes involved in food technology, water and air analysis" from 1st January 2020 to 1st February 2020.
8. Ishwarya A & Preetham A of 6th Semester underwent internship at Mylan laboratories ltd for the project titled "Analysis of drug molecules using various analytical instruments" from 9th January 2020 to 28th January 2020.
9. Kunalika M H, Noor Tuba, & Sushma Bhandarkar of 6th Semester underwent internship at Strides Pharma Science Ltd for the project titled "Study of Instruments and processes involved in analytical and microbiology" from 28th January 2020 to 14th February 2020.
10. Maria Tania D, Mizba Farkana M, Purvika C, & S Vidya Vaishnavi of 6th Semester underwent internship at Sangene Biotech, Bangalore for the project titled "Industrial Microbiology" from 9th January 2020 to 27th January 2020

ACADEMIC EXCELLENCE

The 2019-20 academic year started with good academic results and the result is as follows: Overall pass percentage of VII semester - 100% Overall pass percentage of V semester - 95% Overall pass percentage of III semester - 88% Overall pass percentage of I semester - 73% Student Toppers' List

Sem	USN	Name of the student	%
VII	10X16BT002	Ananya Omprakash	87
	10X16BT029	Preethi K.P	85
V	10X17BT004	Anusha.S	90
	10X17BT033	Preetham.A	88
III	10X18BT023	Pavan D.N	85
	10X18BT008	Chaitra Muniyoor	85
I	10X19BT013	Inchara K.S	90
	10X19BT022	Poojitha N.G	89

Alumni achievements

1. Ms. Inchara of 2018 batch is perusing M.Tech program in IIT, Kharagpur in Biotechnology Department.
2. Ms. Shravya.V of 2019 batch secured 62nd all India ranking in GATE and perusing M.Tech in IIT, Mumbai in Biotechnology Department.

LABORATORY DETAILS

Lab 1- Unit Operations lab/Bioprocess control & automation lab Equipments available:

- Gyrotory sieve shaker
- Batch sedimentation apparatus
- Diffusivity measurement apparatus
- Batch distillation setup
- Tray drier
- Vacuum filter or leaf filter setup
- Apparatus for pressure drop through packed bed
- Equipment for studying pressure drop in two phase flow in horizontal pipe
- Heat transfer in packed bed
- Pressure Measurement Trainer Module (ITB - 016 - CE)
- Pressure Process Controller CE (VPPA-40 CE)
- Air compressor with storage tank - ELGI Flow process Controller -ce (VFPA-201- CE)
- Single Tank system
- Two tank non - Interacting system
- Thermocouple Module (ITB - 05 -CE) with thermometer
- Two tank - Interacting system
- Flow Measurement trainer (VFMT - 01)
- Equipment for unsteady state flow studies



UNIT OPERATIONS LABORATORY

Lab 2 - Heat & Mass Transfer Lab

Equipments available:

- Pipe friction apparatus
- Centrifugal pump test rig / AC motor
- Orifice meter, Venturimeter & Rota meter calibration set up
- Bernoulli's theorem apparatus
- Settling apparatus
- Reynolds flow apparatus
- Gas liquid mass transfer
- Wetted wall column apparatus
- York Scehibel
- Reciprocating pump test rig /ac motor

Lab 3: Microbiology lab/ Genetic Engg & Immunotechnology lab

Equipments available:

- Autoclave - 40 lit
- Binocular Microscopes - Lohomed
- Clinical Centrifuge (8 tubes capacity)
- Colony Counter
- Hot air oven
- Bacteriological incubator
- BOD incubator
- Laminar Air Flow - 4x2x2feet
- Refrigerated high speed centrifuge Remi
- Refrigerated high speed micro centrifuge Remi
- Refrigerated orbiter shaker 250ml x 25nos
- Microscope dissecting
- Trinocular microscope
- Vertical gel electrophoresis - mini model
- Immunoelectrophoresis unit (minimodel)
- Immuno electrophoresis
- Western blotting unit
- Tissue homogenizer
- Transilluminator (UV-VIS)
- Thermal cycler - Corbett, Australia



STUDENT HANDLING LAMINAR AIR FLOW CHAMBER IN MICROBIOLOGY LABORATORY



MICROBIOLOGY LABORATORY

Lab 4: Bioinformatics lab

Facility available:

- Computers with high-speed internet
- PHYLIP software
- AUTODOCK software
- PYMOL software

Lab 5: Upstream Processing lab /Downstream Processing lab/ Cell & Molecular Biology lab

Equipments available:

- Fermentor (Autoclavable)
- Plant Tissue Culture Racks
- Labline make Autoclave
- Orbital Shaker Incubator
- Cyclomixer
- Clinical Centrifuge (8 tubes capacity)
- Magnetic stirrer with hot plate
- Packed bed distillation setup
- Electronic balance ELB 300
- Agitation apparatus
- Rocker- Double platform
- Horizontal submarine gel electrophoresis unit



STUDENTS AT THE PLANT TISSUE CULTURE LAB



PLANT BT LAB



Biochemistry lab/ Biokinetics & Enzyme Technology lab

Equipments available:

- Colorimeter
- Double Distillation Unit
- UV Spectrophotometer
- Heating mantle -2 nos
- Haemocytometers
- Heating mantle-3 lit capacity
- Water bath
- Vacuum Pump
- Batch Reactor
- Mixed Flow Reactor
- RTD in Mixed Flow
- Reactor Plug Flow Reactor
- Temperature effect on denaturation of enzymes

R & D Labs		
Sl. No	Facility name	Details
1	R & D Lab	Research Centre recognized by VTU. Has facilities for animal cell culture studies viz., autoclave, inverted microscope, CO2 incubator, Biosafety cabinet
2	Plant Tissue Culture lab	Tissue culture facilities with sterile conditions for growing algal cultures and ex-plants in controlled environment
3	CCMC Lab under VGST -KFIST	Core i5 processor, 4th gen, Mother board Intel 85FL, Ram transcend 4gb ddr3, Hdd Seagate 1TB, Cabinet I ball Mercury, Logitech keyboard & Mouse, Monitor, Dell 18.5" Software - Inventus Drug discovery software, Novo informatics. Pvt. Ltd
4	Centre for Bioremediation & Studies on Microbial Diversity	Fermenter, autoclave, orbital shaker, biosafety cabinet, UV spectrophotometer, incubator
5	Centre for Natural product research	Soxhlet extraction, Water bath, Flash evaporator, Magnetic stirrer



RESEARCH AND DEVELOPMENT - DEPARTMENT OF BIOTECHNOLOGY

Department of Civil Engg.



Dr. Malleshaiah T.S
HOD

The Department Of Civil Engineering consists of Following areas of Technical Specialization : Structural Engineering, Highway and Transportation Engineering, Environmental Engineering, water resource and hydraulic engineering, Surveying and Geographical Information System (GIS). In addition Department is also offering two years Post graduation Program M.Tech in Structural Engineering and also PhD. Program.

The Department has Nine laboratories for UG, PG as well as PhD programs with state of art of the equipment. Keeping ourselves up to date with latest developments in this fast advancing technical world is important and hence we have a set of dedicated, hard working faculty team in our department. The Department Continuously strives very hard to provide world class facilities for education and research.

PEO 1 – Apply fundamental concepts of Civil Engineering in developing economically viable and sustainable sound solutions

PEO 2 – To work collaboratively on Multidisciplinary problems.

PEO 3 – To achieve their professional aims keeping good ethics.

PROGRAM SPECIFIC OUTCOMES:

Graduates will be able to

PSO 1 – apply technical skills and modern engineering tools for civil engineering day to day practice.

PSO2 – participate in critical thinking and problem solving of civil engineering field that requires analytical and design requirements.

PSO 3 – pursue of lifelong learning and professional development to face the challenging and emerging needs of our society.

INDUSTRY INTERACTION

In order to ensure academic & industry compatibility, we have MOUs with the following companies :

1. School Of Construction management excellence
2. Heaven Bird.
3. Skyscraper
4. Best Engineering and Construction Company

VISION

To impart very high quality education to the students to make them do innovative sustainable engineering relevant to industry and people at large.

MISSION

M1 - To emphasize on basics of engineering as well as their applications relevant to the industry.

M2 - To serve the society with due consideration of economy, ecology and ethical issues of nation.

M3 - To sensitize the students and faculty to take up research and consultancy to be on par with international standards.

MAJOR RESEARCH ACTIVITIES IN THE DEPARTMENT

- Dr. Mahantesh N.B under the guidance of Dr. Amarnath K completed his PhD. thesis work on the topic " Strength and deformation behaviour of Reinforced geopolymer composites for two way rectangular slab " in the year 2019-2020.
- Akhilesh Yadav, Mrs. Nayana B.S "Seismic Analysis of a Building with Soft Store".
- Bhavyashree R, Shivanand C.G, "Seismic Analysis of Vertically Irregular RC Building Frames"
- Kaushik Majumdar, Dr.Raghuprasad B.K, Dr. Amarnat K, " Pushover Analysis of Multistoried Buildings and Determination of Ductility using Capacity Spectrum"
- Padiyar Mohammad Rizwan, Dr, Raghuprasad B.K, Dr. Amarnat K "Seismic Response of a Building which is Symmetrical and Asymmetrical in Plan"
- "Seismic Analysis of RC Building Resting on Sloping Ground with Bracing And Shear Wall" Lokesh Reddy C. Shivanand C.G.
- Design and Analysis of Fixed Base and Base Isolated Multi-storey
- Bare Frame Building Using Lead Rubber Bearing " by Lokesh.S, T.S.Prashanth Hathwar
- "Analysis of Multi-Storied Building with and Without Shear Wall and Optimum Location of Shear Wall" by

Kiran H, Shivanand C G

- "Reinforced Earth" Irshadahamad .L.T, Dr. B.K. Raghu Prasad, Dr. Amarnath K
- Seismic Response of C-shape Multistoried Flat Slab Building with and Without Shear wall and by Increasing the Thickness of Shear wall" Vinay N, Dr. B.K. Raghu Prasad, Dr. Amarnath K
- A case study on Surface Characteristics of a Reinforced Earth model by Static and Dynamic Analysis R Santhosh Kumar, Dr. B.K. Raghu Prasad, Dr. Amarnath K
- "A Study on Steel Fibre Reinforced Concrete" by Doddaiiah N, Anirud Gowda PR, Rakesh L Kammar, Keshappa Rathod, Prakash N
- "Estimation of Rain Fall -Runoff Relationship And Annual Rainfall- Run Off Correlation of Korategere Tq, Tumkur District of Karnataka State" by Dr. T S Malleshaiah Harsha S Bhavimani
- "Stabilization of Black Cotton Soil Using Red Soil" by Mr .Mahesh Kumar S, Ms. Harsha S Bhavimani Ms. Premanjali H V
- "Smart Village" Varalakshmi P, Uma bharathi, Shradha J
- "Waste as A Source For Generation of Electricity" Ms. Kavya S Kallimani, Nagashree G V, Sachin R H, Naresh
- "Financial Analysis of Green Engineering" Mohammed Nawaf Junaidi1, Kevin Joel, Prutvi M. Naik, Mrs. Radhika K.N, Ms .Amrutha M, Mrs. Akshatha K.B

FACULTY ACHIEVEMENTS

Cent Percent Results:

1. Ms. Rakshitha Secured cent percent results in subject air pollution in the odd semester in year 2019-2020.
2. Mrs. Akshata K.B secured cent percent results in Computer aided Building And Drawing in the odd semester of academic year 2019-2020.
3. Mrs. Anagha Pradeep secured cent percent results in Design of RCC Structural Elements in the odd semester of academic year 2019-2020.
4. Mrs. Radhika K.N secured cent percent results in Transportation Engineering in the odd semester of academic year 2019-2020.
5. Mr. Prakash N secured cent percent results in Ground Water Hydraulics in the odd semester of academic year 2019-2020.

EVENTS ORGANIZED IN DEPT

GUEST LECTURES:

1. Guest lecture was organized on the topic of Revit Architecture by INFIDOP on 28-08-2019.
2. The Guest Lecture on the topic of Being Employable was organized in the department and the speaker was from MN Prakash Pvt.LTD

Guest Lecture on Purpose Drive Life

Virtual Webinars Organized in the Dept

1. A Webinar on the Topic of " Importance of Environmental Conservation", was delivered by the speaker from BMSIT Engineering college, Bangalore, Dr.Rajesh Gopinath, on 20th June 2020.
2. A webinar on the topic of "Structural Engineering ", was delivered by eminent speaker from IIT Madras, Dr. Appa Rao on 16th July 2020.



3. A webinar Lecture was delivered by eminent speaker from ISTE, Dr. Naresh Chand, on the topic of " The Art and Science Of Innovation " on 15th July 2020.



WORKSHOPS/ CONFERENCE

A Two day National Conference on Science, Engineering & Management - 2K20 organized by the Oxford College of Engineering on 15th & 16th July 2020.

Quiz Series - Online Quiz Events were conducted in various subjects of Civil Engineering. Participants from all over Karnataka attended our events.



INDUSTRIAL VISIT/EDUCATIONAL TOUR:

1. An industrial Visit to Earthen Dams at Kaiwara on 30-01-2019.
2. An industrial Visit to Brick Factory Kempadenahalli, on 20-11-2019.
3. Precast concrete slab manufacturing at Talagawara on 01-02-2020.

All these education Tours were conducted along with students of 7th and 5th Semester

ONE DAY WEBINARS & QUIZZES ATTENDED BY FACULTIES

Faculty Name	Quizzes	Webinars
Dr.Malleshaiah T.S	2	3
Mr. Shivanand C.G	2	4
Mr. Mahesh Kumar. S	3	5
Ms. Harsha Bhavimani	5	5
Ms. Shradha.J	4	5
Ms. Kavya S.K	4	5
Mr. Prashanth Hathwar T.S	3	7
Ms. Premanjali H.V	6	5
Mrs Nayana B.S	3	5
Mr. Prakash N	5	4
Ms. Amrutha M	2	2
Mrs. Akshatha	2	2

PAPER PUBLICATION BY FACULTIES:

- Prof. Mahesh Kumar S published a paper on topic of "Seismic behavior of Asymmetric RC Structures" in IJRASET Volume 8, issue VII, July 2020
- Prof. Mahesh Kumar S Published a Paper in IJRASET Volume 8 Issue VII on the topic of " Study on Partial Replacement of Cement by Wood Ash " on July 2020
- Prof. Mahesh Kumar S Published a paper on the topic of " Seismic analysis of Tall Rc Structures With Solid and Coupled Shear Walls" in UGC Approved International Journal on 10th November 2019.

Student Toppers in the year 2019 - 2020:

ODD SEMESTER - Dec 2019 / Jan 2020			
SEM	USN	NAME	%
VII	10X16CV048	NAGASHREE	88.00
	10X16CV053	PAVITHRA	88.00
V	10X17CV020	HARSHITHA N	82.00
	10X17CV001	ABISHEK B	81.00
III	10X18CV022	NISHATH FATHIMA	84.00
	10X18CV043	SRUSHTI R	82.00

I	10X19CV016	LAVANYA C	85.00
	10X19CV023	POORNASHREE	79.00

PLACEMENTS IN THE DEPT:

Students Placed during 2019-20 with High Package.	
NAME OF COMPANY	Student Names
NCCCL	GURUDUTT, KIRTI R LAMBANI, ABHISHEK M, Md.NISSAR SAQI.AIN, RAKSHITHA K R, PAVITRA V MATH, YADHUKRISHNAN, VRINDA R, VELROY FALERO, AKASH L, ASHWINI, C SUSHMA, INCHARA VR, VIJAYA KUMARA THIMBALI, MOHANKRISHNA, DINESH R, PAVANKALYANA A
Umiya Builder	
Square Yards	
Square Yards	
Square Yards	
Square Yards	
Infosys	
PinClick	
PinClick	
PinClick	
PinClick	
Infidof	
Infidof	
Infidof	
Infidof	
Infidof	
Infidof	

OTHER ACTIVITIES:

EXTENSIVE SURVEY CAMP :

An Extensive Survey Camp For 5th Semester students was conducted in the month of February 2020 to Kaiwara, in chickballapur District of Karnataka.



photo of survey camp being conducted in kaiwara

LABORATORY DETAILS

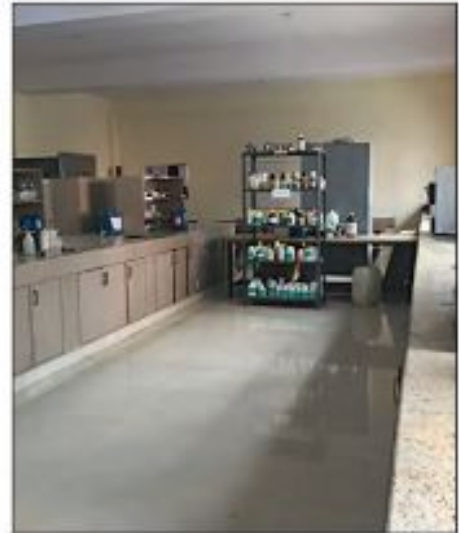
Sl. No.	Name of Laboratory	Carpet Area (Sq.mt.)	Major Equipments	Capacity
1	Geo - Technical Engineering Lab	148.45 m2	1. Direct shear test apparatus	30
			2. Consolidation Test apparatus	
			3. Triaxial compression Test apparatus	
			4. CBR Test apparatus	
			5. Vane shear Test apparatus	
2	Highway And Concrete Lab	147.71m2	1. Tensile Testing Machine	30
			2. Flow table test	
			3. Flexural Testing Machine	
3	Hydraulics and Hydraulic machinery Lab	113.08 m2	1. Multistage centrifugal pump	30
			2. Friction Apparatus	
4	Basic Material Testing Lab	73.02 m2	1. Universal Testing Machine	30
			2. Hardness Testing Machine	
			3. Fatigue machine	
			4. Impact testing machine	
			5. Torsion testing machine	
5	Environmental Engineering Laboratory	123.35 m2	1. Flame photometer	30
			2. UV-visible spectrometer	
6	Survey Practice Stores	63 m2	1. Theodolite	30
			2. Total station compass	
7	AUTO CAD Laboratory	150 m2	1. E-Tabs	30
			2. Microsoft Project	
			3. Staad Pro	
8	Applied Geology Lab	75.17 m2	1. Models	30
			2. Rock samples	
9	Research Center	111.60 m2	1. Loading frame	18
			2. Shake table	
			3. Accelerometers	
			4. Vibration absorber	
			5. Rebound hammer	
			6. Ultrasonic pulse velocity apparatus-Profometer	



Survey Lab



Concrete Lab



Environmental Lab



HHM Lab



BMT Lab



Research Centre / Structures Lab



Geology Lab



Geotechnical Lab



AutoCAD Lab



Department of Automobile Engg.



Dr. B R Raju
Prof. & HOD Automobile

Automobile Engineering is one of the specialized engineering disciplines. The concepts of which are required for the most of the engineers, as rightly reflected by curriculum framed by reputed Universities all over the world. This department started with intake of 60 students in the academic year 2011-12 and M.Tech. in Automotive Engineering is added in the year 2014-15 with an intake of 18 Students

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. Graduates shall display technical knowledge in basic Mechanical and Automobile Engineering subject areas enabling them to find career opportunities in relevant government agencies, reputed private firms.
2. Graduates shall gain practical knowledge in the working of Automobile Systems, capable of working on indigenous projects, ventures related to automotive discipline.
3. Graduates shall be well versed with the academic learning material of the course syllabus and ready to take up further learning through higher education and scientific research.
4. Graduates shall be well equipped with the requirements of the current industries to obtain job opportunities in Mechanical and Automotive sectors in the design, Manufacturing, Analysis domains.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Graduate will demonstrate the knowledge to design, develop, implement and use same into various domains to identify cause and hence provide solutions in the automotive field.
2. Graduate to work in interdisciplinary environment to design systems with the future emission norms and safety standards in automobile sector.

VISION

To establish the department as a renowned centre of excellence in the area of scientific education, research with industrial guidance and exploration of the latest advances in the rapidly changing field of Automobile Engineering.

MISSION

1. The Department will serve its students, industry and society by fulfilling the mission of learning, and engagement through the creation, dissemination and application of engineering methods
 2. Encourage students to continuously challenge the existing methods in Automobile Engineering with an intention to align the students towards research.
 3. Impart knowledge on practical aspects and professional standards relevant to the practice of Automobile Engineering in the many aspects of modern life where it plays a vital role.
3. Graduate will be able to pursue of lifelong learning and professional development to face the challenging and emerging needs of our society.

INDUSTRY INTERACTION

In order to ensure academic & industry compatibility, we have MOUs with the following companies

1. Haddinakal Engineers, Bangalore.
2. Unique precision, Bangalore.

SPONSORED PROJECTS

- AICTE Sponsored funds to conduct STTP for the academic year 2019-20
- Project Title: "Recent Trends and Challenges for New Product Development" The Grant Amount of Rs. 03 Lakhs. The Principal Investigator is Dr. Raju B R, Professor & HOD

KSCST PROJECTS, IISc, Campus, Govt. of Karnataka.

1. "Performance and emission characteristics of internal combustion engine fueled with three bio-diesel blends. Under the guidance Dr. Raju B R Professor and HOD.
2. Investigation on mechanical characterization of basalt-areca hybrid composites for automobile applications" Under the Guidance of Mr. Prasanna S M, Asst Professor.

TECHNICAL TALK

A Technical Talk on "Artificial Intelligence & Autonomous Cars", by Mr. Anoop Srinivasan, a Management Committee Member of Society of Automobile Engineers (SAE) India, Bengaluru, was conducted for VII Semester, V Semester & III Semester students of Automobile Engineering on 13/11/2019.

GUEST LECTURE

A Guest Lecture on "Gyroscope & Design of CAM" by Mr. Hero Hemaraj N R, Senior Data Scientist (EEDP1), General Electric (GE) Aviation, Bengaluru, was conducted for 5th Semester students of Automobile Engineering on 16/11/2019.



FACULTY ACHIEVEMENTS

- Dr. Raju B R Professor and Head of Department appointed as BOE-Member to the Automobile Engineering Board for the academic year 2019-2020 by the VTU Belgaum.
- Dr. Raju B R, Professor and Head of Department appointed as Member of B.O.S. to the Automobile Engineering for the CBCS Scheme 2020 by the VTU Belgaum.
- Dr. Raju B R, Professor and Head of Department appointed as Member of B.O.E. to the Automobile Engineering for the academic year 2019-2020 by Dayananda Sagar College of Engineering Bangalore.
- All faculty members have involved and conducted Virtual National Conference on Science Engineering and Management in July 2020 held at our college.

100 % RESULT ACHIEVERS

- Dr. Raju B R
- Mr. Sandeep k Chavan
- Mr. Maruthi S B
- Mr. Prasanna S M,
- Mr. S B Desai..

OTHER DEPARTMENTAL ACTIVITIES:

AYUDHA POOJA



2016-20 BATCH STUDENTS



STUDENT ACHIEVEMENTS

- Mr. Prathap Singh R bearing USN 10X15AU034 secured 5th rank in VTU Examinations



- Development and fabrication of electron offset wheel vehicle by Mandanna K B, Poojith, Mohammed Shehzan, Mohammed Shahid Afridi Students of VIII Sem & Prof. Maruthi S B, Asst.Prof, Dept of AUE is selected as the innovative project for the year 2019-20



SPORTS AWARDS FOR THE ACADEMIC YEAR 2018-19

- Mandanna K B of VIII semester AUE won 1st prize in Hockey in IISc Hockey Cup tournament
- Mandanna K B of VIII semester AUE won 1st prize in Hockey in St. John's Hockey tournament, St. John's Academy of Health Sciences - Bangalore



PLACEMENT ACTIVITIES

Few Placement Details in Reputed Companies	
NAME OF COMPANY	NO.OF STUDENTS
BYJUS	2

LABORATORY DETAILS

1. Fluid Testing and Fluid Mechanics Lab

Area : 160 Sq. mt

Description: Flash and Fire point apparatus- Abel, Cleveland and Pensky Martin. Viscometers - Redwood and Saybolt. Weighing scale - 50 ml measuring jar. Thermometers. Carbon residue. Calorimeter - Bomb and Junkers. Cloud and pour point apparatus.

Conducted Labs : Fluid Testing and Fluid Mechanics Lab.



2. Automobile Engine Components Lab

Description: Clutches, Suspension systems, Braking systems, Carburetors, Engines - Two stroke and Four stroke, Steering systems, Differentials, Gearboxes, Lubrication system, Cooling system.



3. Automotive Chassis Components Lab:

Description: Assemble and Disassemble of chassis components for light motor vehicles (LMV) and heavy motor vehicles (HMV)



4. Engine Testing and Emission Measurement Lab

Description: Study and testing on MPFI Engine and variable compression ratio engine, Exhaust emission test of S.I. Automotive engine.



5. Scanning and Reconditioning Lab

Description : Wheel Balancing, Wheel Alignment, Chassis Dynamometer, Cylinder boring and Valve Refacing, Engine Performance Test Rig.

Conducted Labs: Scanning and Reconditioning Lab



6. Finite Element Modeling and Analysis Lab

Description: Desktop- Connoi - 30. Intel(R) Xeon (R) CPU E3-1220 v3, 8GB RAM, 500GB HDD,

Conducted Labs: CAED Lab, CAMD Lab, FEA Lab.



Department of Mechatronics Engg.



Dr. Yashoda B S
HOD

Mechatronics engineering is a multidisciplinary branch of engineering that focuses on electro-mechanical system and also includes robotics, computer control and product engineering. A Mechatronics engineer integrates the principles of mechanics, electronics and computing to generate a simpler, more economical and reliable system. The term "Mechatronics" was coined by Tetsuro Mori, the senior engineer of Japanese company YASKAWA in 1969. An industrial robot is a prime example of a Mechatronics system.

This department started with intake of 60 students in the academic year 2011-12 with well framed curriculum. Since then 5 batches of students are passed with distinguished credentials. Department is well recognized in VTU due to its maximum rank holders.

DEPARTMENTAL ACTIVITIES:

GUEST LECTURES

1. Guest lecture on "LabVIEW and its application in core Industries" by Mr. V Sunil Kumar, Managing Director, VI Solutions Bangalore was conducted on 25/09/2019 under Mechatronics Engineering Department.



Guest lecture by Mr. V Sunilkumar

VISION

To develop the Mechatronics Engineering Department as a leading educational and research department with innovation in the design and development of electro-mechanical systems, intelligent machines and products.

MISSION

- M1: To provide an outstanding education in Mechatronics Engineering with a rich diversity of skills.
- M2: To contribute to the community prosperity through professional services and research.
- M3: To prepare graduates with ability to engage in life-long learning and capable of carrying out engineering practice with competence.

2. Guest lecture on "Outcome Based Engineering Education in advanced manufacturing & Emerging Technologies" by Mr. Sudhir Sanna, CEO & Director, Premier international robotic, Automation and Vision system organizations in India and USA was conducted on 1/10/2019 under Mechatronics Engineering Department.



Guest lecture by Mr. Sudhir Sanna

3. Guest lecture on "Designing and deploying applications of Machine Learning Using NI Technology" by Mr. Vasanth Kumar V, Assistant Manager, VI Solutions Bangalore was conducted on 27/02/2020 under Mechatronics Engineering Department.



Guest lecture by Mr. Vasanth Kumar V

WEBINARS

1. Webinar on "Machine learning for Mechatronics" by Dr. Chayalakshmi, Professor Basaveshwar Engineering College, Bagalkot was conducted on 18/06/2020.
2. Webinar on "Industrial IoT The future using graphical approach" by Mr. V Sunil kumar, Managing Director, VI Solutions Bangalore was conducted on 07/07/2020
3. Webinar on "Design of Mechatronics Systems-Conceptual to Prototyping" by Mr. Suhas B Srihari, Lecturer, Dept of ECE & MTE, GTTC, Bangalore was Conducted on 11/07/2020.

INDUSTRIAL VISIT

1. The Students of Final Year Visited IMTMA, BIEC, Bangalore on 23/10/2019 and learnt on the design of Industrial Automation Process Control and Industrial Robotics along with Assistant Professor Mr. Chethan S and Mr. Thirumurugan N.



Group Picture of Students and Faculty at IMTMA

2. The Students of third Year along with Assistant Professor Mr. Chethan S Visited FESTO, Bangalore on 07/11/2019 and learnt on the design of hydraulics and pneumatics circuits



Group Picture of Students and Faculty at FESTO

TECHNICAL TRAINING

- The technical training for final year students was provided for C, C++, PLC & SCADA and CREO during 4/11/2019-11/11/2019.



Group Picture of Students and Faculty at FESTO

STUDENTS ACADEMIC ACHIEVEMENTS

- KSCST Project : .Mechatronics Engineering students Mohammad Mansoor, Afnan Pasha, Saba Fathima, Syed Danish Hussain under the guidance of Dr. Yashodha B S, Project Title " WALTER " has been selected and sanctioned for KSCST 43rd series of students-Project Programme for the academic year 2019-2020.
- Students published papers in NCSEM 2K20

VTU RANK HOLDERS 2018-2019

Sl No	USN	NAME	RANK
1	10X15MT005	Arnold Sachin Hans	1
2	10X15MT027	Nitin	7
3	10X15MT023	Mohith Bansal	10

SEMESTER TOPPERS 2019-2020

Sl No	USN	NAME	Position
1	10X16MT023	Meghana v	1
2	10X16MT	Pranamy ghorpadeh	2
3	10X17MT035	Shreya biradar g	1
4	10X17MT042	Vijayalakshmi s	2
5	10X18MT025	Sahana s r	1
6	10X19MT416	Rakesh	2
7	10X19MT008	Dennies bensen	1
8	10X19MT021	Somesh s ghatage	2

STUDENTS PARTICIPATION

- Students of second year Skanda Narayan J, Prashanth C, Shreyas S, Anirudh R, Chethan, Dhanush, Shashi Kumar participated in Makethon 2019 conducted at Atria Institute of Technology, Bangalore and secured second prize.
- Students of second year Skanda Narayan J, Prashanth C, Shreyas S, Anirudh R, Chethan, Dhanush, Shashi Kumar participated in Technovation conducted at CMRIT.



Students Participation in Makethon 2019



Students Participation in Technovation

STUDENTS SPORTS ACHIEVEMENT

- Brundha J, participated in the VTU inter Collegiate Bengaluru zone chess Tournament 2019-20 from 16th and 17th August 2019 at Jyothi Institute of Technology, Bangalore.
- Brundha J, participated in the VTU Central Karnataka Zone Inter Collegiate Tournament held on 20-22nd August 2019 at SJMIT Chitradurga.

PLACEMENT DETAILS 2019-2020

Sl No	USN	Name	Company Placed	CTC
1	10X16MT023	Meghana V	Infosys	3.5 LPA
2	10X16MT036	Rahul Ramalingam	Jaro	12 LPA
3	10X16MT035	Sandeep S	Cognizant Technologies	4.2 LPA

FACULTY ACHIEVEMENTS

PAPER PUBLISHED

Dr. Yashodha B S Published a paper at 4th world conference, WS4, london, UK under the discipline of smart trends in system, security and sustainability, the Paper Title was "Multiple heart diseases prediction using logistic regression with ensemble and hyper parameter tuning techniques" on 27/7/2020.

WORKSHOP ATTENDED

Dr. Yashodha B S & Mr. Chethan S attended the Workshop on Mechatronics held on 23/01/2020 at VTU Regional Office, Bengaluru.

FDP ATTENDED

1. Mrs. Sindhu Sidnal, Assistant Prof., attended Five days Faculty Development program on Applications of Labview, Robotics & PLC in Industrial Automation conducted by Acharya Institute of Technology Bangalore during 23-27th July 2019.
2. Mr .Chethan S, Assistant Prof. and Mr. Thirumurugan N attended a five days faculty development program on Robotics and AI, held at Dayanand Sagar University from 24-28th June -2019.
3. Mr. Chethan S, Assistant Prof., attended Five days faculty Development program through online on Composite Materials and Structures conducted by Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh from 15-19th June 2020.
4. Mr. Chethan S, Assistant Prof. attended Five days faculty Development program through online on Technological Trends in Industries conducted by Vemana Institute of Technology, Bangalore from 29th June - 3rd July 2020.

100% RESULTS ACHIEVED BY FACULTY

Sl No	Name of the Faculty	Subject Name with Subject Code
1	Chethan S	Safety and security of automotive systems (15mt753)
2	Thirumurugan N	Industrial robotics (15mt71)
3	Thirumurugan N	Hydraulics and pneumatics (17mt53)
4	Thirumurugan N	Automation in manufacturing (17mt562)
5	Manumathew	Micro and smart system technology (17mt54)

NCSEM 2K20

1. Dept. of Mechatronics Engineering, Organized webinars on "Variable Reluctance Actuator "by Dr. J E Diwakar, working as Advisor in the Design Innovation Centre of CPDM, Bangalore on 15th July 2020 and Webinar on "IoT Mechatronics System Implementation for Design" by Mr. Kotresh Mundrugi, Dedicated Entrepreneur, PCB Designer.
2. Paper Presentation was conducted for 15 Internal and 3 External papers and evaluated by Dr. Yashodha B S, Prof & HOD, Dept. of Mechatronics Engineering, Prof. Nagaraj, Assoc. Prof. Dept. of Mechanical Engineering and Prof. Nisha Rani, Assoc. Prof. Dept. of Electrical and Electronics Engineering, TOCE.

LABORATORY DETAILS

1. ROBOTICS LAB

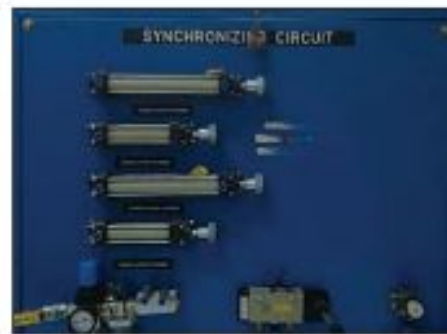


ABB ROBOT IIR 140/6leg

2. PNEUMATICS LAB



Sequential circuit



Synchronising circuit



Control of Actuators



Overview of Robotics and Pneumatics Lab

Department of Master of Computer Application



Dr. M S Shashidhara
HOD

The Department of MCA, which was started in the academic year 2001-02, has excellent infrastructure in terms of digital classrooms, a dedicated MCA Library and a centrally Air- conditioned & networked computer laboratory. Master of Computer Applications (MCA) is a 2Year Post-Graduate Programme affiliated to Visveswaraya Technological University (VTU), Belgaum, Karnataka, India and approved by All India Council of Technical Education (AICTE), New Delhi. Ranked one of the top 10 colleges in terms of intellectual capital and academic excellence by Business & Management Chronicle magazine in June/July 2014. Conducts IEEE Conferences, National & International Symposiums, Workshops, FDPs and Inter-collegiate Technical Fest for nurturing students under Extra-Curricular activities. Organizes Industrial -webinars, Webcasts, Visits & Expert Lectures regularly. Highly qualified & experienced teaching faculties and technical team. Excellent placement trainings, services and recruitments.

VISION

Excel to meet the global needs of Computer Education, Research, Service and Human Resource with Competitive edge

MISSION

Learner Centered Education Industry Centered Service and Research Strong Community Relationship serve the Under Served, Meet the Regional, National and Global Educational Needs Inter Organizational Linkage Strategic Future Oriented Planning Professionalism In Computer Applications Excellence in Knowledge, Skills, Service and Attitude Open Organizational Climate.

DEPARTMENTAL ACTIVITIES

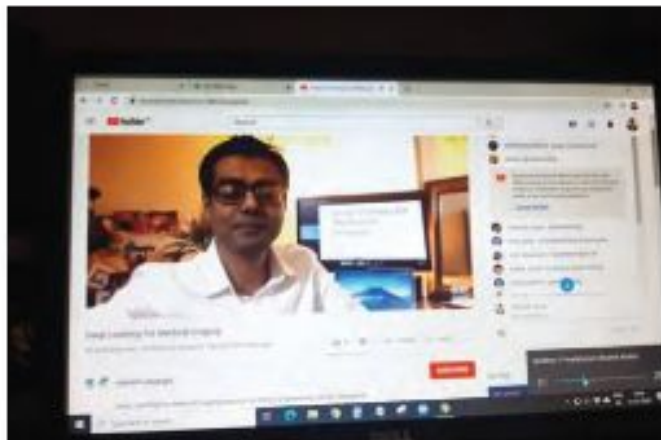
1. NCSEM-2020 was Organized in TOCE on 15th and 16th July 2020. The Convener was Dr M S Shashidhara-HOD MCA. Prof Dharamvir and Prof Achutha Contributed in editorial committee. Mr.Chengappa M R, Mr. Hemant V was the keynote speakers. More than 400 Participants and 24 papers has been presented.



Mr. Chengappa M R
Network Functions Virtualization R&D Lab
Hewlett Packard Enterprise, Bengaluru.
Topic:Virtualization and impact on Telecom Operators & Network.
Hosted by Department of MCA



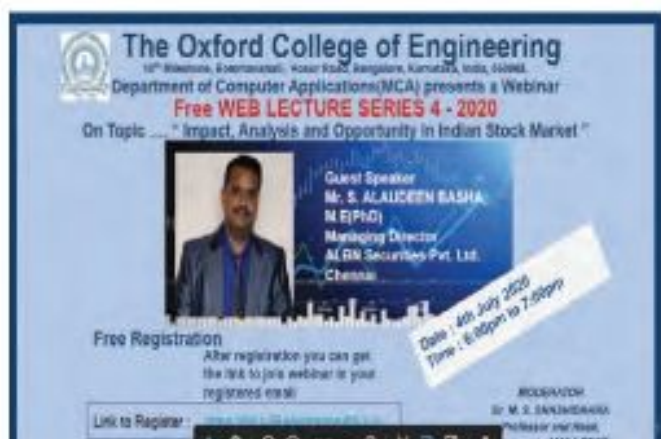
- Department of MCA organized Webinar on "Deep learning concepts and understanding Deep Learning with Medical Image Scans" on 11th July 2020 by Mr. Supratim DasGupta, AI, DL, ML, Expert Founder & CEO of Eradicate Diabetes "A mission on reversing diabetes naturally to nil". Session Moderated by Dr. M S Shashidhara, HOD-MCA, TOCE, Bangalore.



- Department of MCA organized Webinar on "We are responsible for everything that happens to us in our life" on 4th July 2020 by Mr. A VenuGopal, Founder of Venu's positive channel and Venu's skills and training Academy. Session Moderated by Dr. M S Shashidhara, HOD-MCA, TOCE, Bangalore.



- Department of MCA organized Webinar on "Impact Analysis and opportunity in Indian Stock Market" on 4th July 2020 by Mr. S Allaudeen Basha, Managing Director, ALBN securities Pvt Ltd, Chennai, Session Moderated by Dr. M S Shashidhara, HOD-MCA, TOCE, Bangalore.



5. Department of MCA organized Webinar on "2020 by Mr. A VenuGopal, Founder of Venu's positive channel and Venu's skills and training Academy. Session Moderated by Dr. M S Shashidhara, HOD-MCA, TOCE, Bangalore.

THE OXFORD COLLEGE OF ENGINEERING
10th Milestone, Bommasaiahalli, Outer Ring Road, Bangalore - 560066

Department of Computer Applications presents a webinar

HOW TO BUILD CYBER SECURITY CAREER IN INDIA - Scope, Salary, Skill Required - By (Dr. DDOH)

ISTE

Dr. A. VenuGopal
President
Venu's Positive Channel, Bangalore

Dr. M. S. Shashidhara
HOD-MCA
TOCE, Bangalore

Abstract of the Webinar:
For all students and professionals who are seriously serious and looking forward to pursuing a career in software and technology, cyber security offers an excellent opportunity to work in a dynamic environment and scope to achieve your dreams.

REGISTRATION IS FREE
After registration you can get the link to join webinar in your registered email.

DATE: 10th June 2020
TIME: 10:30 AM to 11:30 AM

ANNOUNCEMENT
Dr. DDOH is a
Professor & Head
Department of MCA, TOCE

Send to register -> <https://bit.ly/2ZGua9a>



6. Department of MCA organized Webinar on Virtualization & It's Impact on Telecom Operators & Network on 20th June 2020 by Mr. Chengappa M R, Network Functions Virtualization R & D Lab, HPE, Bangalore. Session Moderated by Dr. M S Shashidhara, HOD-MCA, TOCE, Bangalore.

THE OXFORD COLLEGE OF ENGINEERING
10th Milestone, Bommasaiahalli, Outer Ring Road, Bangalore - 560066

Department of Computer Application presents a webinar

VIRTUALIZATION & IT'S IMPACT ON TELECOM OPERATORS & NETWORK

Dr. M. S. Shashidhara
President
THE OXFORD EDUCATIONAL INSTITUTIONS

Dr. Chengappa M R
Network Functions Virtualization R&D Lab
HPE, Bangalore

ABSTRACT OF THE TALK:
The variety of skills necessary to design, integrate and operate increasingly complex hardware-based appliances, poses real challenge to both developer and the network operator. Moreover, hardware-based appliances rapidly reach end of life and other cost oriented issues result in little or no revenue benefit. These constraints/limitations of hardware-based appliances led operators to think beyond traditional network system and thereby, venturing into development of various IT virtualization technologies, their standards & incorporation of the same into their networks.

SESSION MODERATED BY
DR. SHASHIDHARA MS
Professor & Head
Department of MCA, TOCE

Register for free at
<https://bit.ly/2ZGua9a>

June 20th, 2020
10:30 AM to 11:30 AM

For any queries Contact
shashidhara@theoxford.edu

<http://www.theoxford.edu/engineering/departments-mca.htm>



7. The Oxford College of Engineering Dept. of MCA Organized an Online Quiz on COVID-19 PANDEMICLOCKDOWN, Organized in memory of Founder Chairman Sri.S. Narasaraju's Birth Anniversary. held on 5-10th June 2020. More than 1200 participant have been participated and received their E-Certificates.
8. Guest Lecture on Integration of Disruptive Technologies Vision 2025 by Dr Mithileyshathiyannarayanan founder & CEO.MIT Square,London.Guest lecturer of the city, London, on 10-03-2020, 6th Floor Seminar Hall.



9. Industrial Visit by MCA students to DELL EMC Co organized by TOCE supported by IEEE Bangalore section



10. Guest Lecture on "IOS App Development "on 17/10/2019,12:00 to 1:00 PM Seminar Hall, #601 New Building, by Mr. Shibbu, Sr. Technical Commercial Manager, Superior Digital Pvt.Ltd, Bangalore.



11. Technical Training by IIIT for pre final year students from 4/11/2019 to 9/11/2019



12. Bank of Baroda Vigilance program: Thevigilance competition emphatically aimed to promote integrity, transparency and accountability in public life. The competition was contested among 90 participants from various departments of the college. The Winners were awarded with Cash prizes and certificates in the valedictory function. The Chief Guest was Mr. Tejinder Pal Singh, Deputy General Manager& Regional Office, Bangalore, South-Bank of Baroda. Mr. Sukesh Hedge, National Kabaddi Player was the guest of Honor are the keynote speakers. Director Dr. Amarnath K Director TOCE addressed the gathering. Dr. M.S. Shashidhara HOD MCA Convener of the programme.



SEMINARS/WORKSHOPS/FDP/WEBINAR ATTENDED

SLNo	NAME OF THE FACULTY/STUDENTS	DATE	TITLE OF THE EVENT	NAME OF THE ORGANIZER
1	Prof. Mridula Shukla, Prof.Saritha S,	24 th Sep2019	Workshop on Rapid Mobile App Development with Android	HSR Layout
2	Prof.Dharamvir	18-22 nd November2019	One-week FDP on Internet of Things	UVCE and ATAL academy
3	Prof. Ushasree R, Prof. Mridula Shukla Prof. Sreevani T, Prof. Divya Shree Nayak	1-2 nd & 6 th Feb 2020	Effective official communication	Prof.Jessy Koshy, TOCE
4	Prof. Ushasree R, Prof. Mridula Shukla, Prof. Sreevani T, Prof. Divya Shree Nayak	13-02-2020	"Emerging technologies: TheMyths, Realities and opportunities of Artificial Intelligence"	Mr.AnandTamboli

5	Dr. M Shashidhara, Prof. J C Achutha, Prof. Dharamvir, Prof. Mridula Shukla, Prof. Ashok B P, Prof. Ushasree R, Prof. Sreevani, Prof. Dhivya Nayak	10-7-2020	Evolving cloud computing	ISE, TOCE
6	Dr. M Shashidhara, Prof. J C Achutha, Prof. Dharamvir, Prof. Mridula Shukla, Prof. Ashok B P, Prof. Ushasree R, Prof Sreevani, Prof. Dhivya Nayak	11-07-2020	Role of cloud service Providers	CSE, TOCE

FACULTY ACHIEVEMENTS

Sl.no	Name	Topic	Place
1	Dr. M S Shashidhara	EMR Data Analysis System to predict various Diseases	TOCE, Bangalore
2	Achutha J C	Security Based Framework for Health care services, Multifaceted Structuring with security algorithms and polices & control Panel intelligence with Pattern pairing	TOCE, Bangalore
3	Mridula Shukla	Advanced Re-recognition of Automobiles Using Machine Learning	TOCE, Bangalore
4	Dharamvir	Renting Long and Earning More	TOCE, Bangalore
5	Ushasree R	Hosted a Pomp Decorum Organizing Tool Implementation with Effective Analysis	TOCE, Bangalore
6	Ashok B P	Virtuosity application used for Metro card issues	TOCE, Bangalore

FACULTY ACHIEVEMENTS

Dr. M S Shashidhara has been appointed as BOS Coordinator for the VTU Syllabus 2019 & BOS for MSc Computer Science, National College Basavanagudi, Bangalore.

- Mr. J C Achutha has been appointed as BOE Coordinator for VTU 2019.
- Mr. Dharamvir has been appointed as BOE member for Jain University
- Dr. M S Shashidhara won Best Faculty Award 2019.



STUDENT ACHIEVEMENTS: BEST STUDENT 2019 BEST STUDENT AWARD 2019 WON THIRD PRIZE IN ESSAY WRITING



ISTE: BEST STUDENT CHAPTER AWARD




ACADEMIC EXCELLENCE


Mrs. Selvi E completed her PhD under the guidance of Dr. M S Shashidhara, affiliated to VTU




MCA ASPIRANTS, HOW TO CRACK MCA-PGCET ORGANIZED BY DEPT.MCA, IN ASSOCIATION WITH SEVENTH SENSE




THE OXFORD COLLEGE OF ENGINEERING
Bengaluru



India Ranked
Institution 2020



SEVENTH SENSE
Talent Solution



Achieve
Your Goals with
The Oxford,
MCA

Dear MCA Aspirants, How to crack

MCA-PGCET / KMAT TEST 2020 ?

Join us for Free Online Orientation Course on
MCA-PGCET / KMAT TEST 2020

From Aug 3rd - 5th, 2020

Time	3 rd August, 2020	4 th August, 2020	5 th August, 2020
10:00AM - 11:00AM	Importance of MCA course Dr. M S Shashidhara Tips & Strategies to Prepare for PGCET/KMAT- Vinod Prabhu	Part-A : General Knowledge	Part-B : General English
11:30AM - 12:30PM	Part-A: Mathematics	Part-A : General English	Part-B : General Knowledge
02:00PM - 03:00PM	Part-A: Computer Awareness	Part-B : Mathematics	Part-A Mock PGCET Examination
03:30PM - 04:30PM	Part-A: Analytical Ability & Logical Reasoning	Part-B : Analytical Ability & Logical Reasoning	Part-B Mock PGCET Examination

Classes are Live on Youtube

Free Registration Link :
https://bit.ly/MCA_Registration

Program Director
Dr. M. S. Shashidhara
HOD - MCA, TOCE
Email: hodmcatoce@theoxford.edu

www.theoxford.edu / www.theoxfordengg.org

Department of Management Studies



Dr. Dhanalakshmi R V
HOD

The department of management studies is situated in the PG Block of the new building with centralized air conditioned gallery classrooms with latest teaching aids such as chalk less digital class and LCD projectors. The department has excellent record of continuous academic excellence and placements. The department focuses on holistic approach towards students development; a lot of learner centric approaches through academic clubs, business modeling and simulation with lateral connectivity; role plays, case study and soft skill training are also part of curriculum. The department also incorporates participation of students in societal development like NSS/CSR activity. The department thrives for quality at each stage of input and output.

VISION

To impart value based management education to the students, to nurture and enhance their competencies and to prepare them to face the challenges of industry, society and country.

MISSION

To provide integrated knowledge and demonstrated ability to the students and to groom them towards building their careers well equipped professionals. To foster a passion for learning, creative thinking and leadership skills that help in developing entrepreneurial abilities among the students.

DEPARTMENTAL ACTIVITIES DURING AUGUST 2019 - JULY 2020

- Inaugural Function of first Year MBA, MCA & M.TECH Programmes 2019-20 on 30th September, 2019. Mr Anil Kumar Muniswamy, Managing Director, SLN Technologies Pvt Ltd., Bangalore has graced the occasion as Chief-Guest



- A Business Quiz Event was held on 22nd November, 2019 for the first year MBA students. The rounds conducted were

1. Identifying CEOs
2. Tag Lines
3. Logos
4. Advertisement
5. Current Affairs

The winning team was awarded with memento and certificates.



Organizing Team with HOD, Dr R V Dhanalakeshmi



Team participating in the Business Quiz Round 3.

- An Intra Department Best Manager Event 2020 had been organized by Dr. R.K. Prema & Prof. P. Padmaja for the 1-MBA students from 4.03.2020 to 07.03.2020. Mrs. Sukanya Sundeep, Founder of Perfect Persona presided over the function. The Best Manager was awarded to Mr. Sumanth M - I MBA.
- The Oxford College of Engineering, Bangalore, celebrated International Mother Language Day - Matrihasha Diwas under EK BHARAT SHRESHTHA BHARAT on 22.02.2020 at 11.00 AM to commemorate the day dedicated to promote awareness of linguistic and cultural diversity and multilingualism. As a part of the celebration, students organized a Skit, highlighting Multilingual Heritage' reflecting the spirit of Ek Bharat Shreshth

Bharat, sang Songs, performed Dance, Fashion Walk and made Speech in their mother tongue.



Faculty and Participants with their memento in the Best Manager Event

GUEST LECTURE

- Guest Lecture by Mr. Manikanta Prasad GVN, VP, Business Toys on 26.08.19 for 3rd Semester, MBA students

Mr. Manikanta Prasad GVN, Business Toys addressed the students of MBA on the area of Business analytics and its implication in the present business situation. This topic is the need of the hour and received the attention of students.



Guest Lecture by Mr. Manikanta Prasad GVN, VP, Business Toys on 26.08.19 for 3rd semester, MBA students

- Guest Lecture by Mr. Mahesh Pavan. S, Project Manager, IBM India Pvt. Ltd., on 26.09.19 for 3rd Semester, MBA Students
 - The interaction started with a small role play of "Selling bottled water by a marketer to a retailer". The resource person highlighted the importance of KASH - Knowledge, Attitude, and Skills & Habits. Students actively participated and gained knowledge on consumer behavior, aspects.
- The guest lecture began with welcome address



Faculty and Participants with their memento in the Best Manager Event

by the Head of the Department, MBA. 1 year MBA student Ms.Krithika had given brief introduction about the profile of Mrs. Sukanya Sandeep, Founder of Perfect Persona. Overall experience was very much helpful for the students to gain knowledge in the area of image management.



Guest Lecture by Mrs. Sukanya Sandeep, Founder of Perfect Persona, on 06.03.2020, for 2nd semester, MBA.

WEBINARS ORGANIZED

Overall 11 Webinars organized by the department of MBA from June 2020 to July 2020. Students got the opportunity to gain knowledge from the eminent persons from various fields like Finance, Marketing and HR. The webinar topics were "Sales management-A basic understanding, Career in investment banking, Basic stock market, careers in Investment Banking, Campus to Corporate, A super game changer".

"Plan Your Career - In Covid 19", Dr.K.Balanaga Gurunathan, Professor, Amity Business School, Amity University, Gurgaon, Haryana was a notable Webinar.

PUBLICATIONS FROM THE DEPARTMENT

- A.Sahana and Dr. Tharaka Rami Reddy, "Towards a Competency Framework for Business School Faculty Members" Alochana Chakra Journal, ISSN NO:2231-3990, Volume IX, Issue VI, June/2020, Pp - 3796 to 380.
- Dr.R.V.Dhanalakshmi, Padmaja P & Dr.Balakoteswari, "Mediating Effect of Job Satisfaction between Employee Engagement and Employee Retention at Start ups, Bangalore", (2020) JOICS, ISSN: 1548 - 7741, Volume 10, Issue - 6.
- Dr.R.V.Dhanalakshmi, B. Sireesha & V. Mohammed Mustafa, "A Study on Impact of Corporate Actions on Stock Prices", (2020), DRRJ, ISSN: 2347 - 7180, Volume - 10, Issue - 7.
- Dr R K Prema, Dr C Karthikeyan, Dr Swarnalatha," A Philological Analysis on green Accounting Conceptual Permutation on Evolutionary Models" International Journal of science and technology research, Volume 9, Issue 04, April 2020
- Dr M Kathiravan, Dr V Sunitha, Mediation Effect of Person - Organization Fit on Turnover Intention of Nurses in Multi-Specialty Hospitals, Bangalore Karnataka, IJMH, 8 (12(2)), 28-39, 2020.
- Dr R K Prema & Dr M Kathiravan,"A Study on the Effectiveness of Knowledge Management System of Staffs and Managers in Seshasayee Paper Boards Limited-Erode, Tamilnadu" IJMER, 8 (12(1)), 1-10.

FACULTY ACHIEVEMENTS

Dr R V Dhanalakshmi, HOD acted as a resource person on the topic "Your attitude Matters", to the students and Industry people in common, for Chidambaram Academy of Refinement & Enrichment, Hosur on 15th July, 2020.

STUDENTS ACHIEVEMENTS

Mr Shijo Joy II MBA student won the Best manager Trophy, organized by The Adhiyamaan College of Engineering, Hosur in the event VIDYUT 2K'19, on 3rd & 4th October 2019.

INDUSTRIAL VISIT

An Industrial Visit to Stock Market Institute (SMI) Bangalore was organized for 2nd Year MBA - A, B & C Section Students (102).



1st batch students visited on 4th March 2020



2nd batch of students visited on 6th March, 2020

FACULTY ACHIEVEMENTS

Cent percent Result

S. No	Faculty Name	Subject Code
1	Prof. A. Sahana	18MBA16
2	Dr. Tharaka Rami Reddy	18MBAMM301
3	Dr. R V Dhanalakshmi	18MBAMM302
4	Prof. A. Sahana	18MBAMM303
5	Prof. Padmaja P	18MBAIIR301
6	Prof. Padmaja P	18MBAIIR302

BEST PROJECTS SELECTED COLLEGE LEVEL

S. No	USN	Project	Faculty Guided
1	10X18MBA09	A Study on Entrepreneurial skills among the Dental Science Students in Establishing their clinics at the Oxford Dental College and Hospital, Bengaluru.	Dr R V Dhanalakshmi
2	10Y18MBA11	A Study on Effectiveness Of Employees Reward System at First Steps Baby Wear Private Limited, Bangalore	Dr R K Prema

STUDENTS ACHIEVEMENTS

College Toppers - I Semester (Batch 2019-21)

Sl.No	Name of the student	USN No.	%
1	Steffi Thomas	10Y19MBA36	78.83
2	Ashwini G H	10Y18MBA56	76.5

College Toppers - III Semester (Batch 2018-20)

Sl.No	Name of the student	USN No.	%
1	Dechakka K U	10Y19MBA11	80.00
	Preethi K	10Y19MBA38	80.00

PLACEMENT DETAILS 2019-20

Company Name	No. of students Attended	No. of students Selected	Salary offered
Pinclick	20	12	1.8PLA
ICICI Prudential	05	01	3.2PLA
Extra Marks	06	05	3.5PLA
Kredily	05	01	4.8PLA
TVS (NRGC-TVS)	05	01	5.2PLA
DTDC	06	01	2.4PLA
Career Net	05	01	1.5PLA
Square Yards	15	10	2.5PLA

Sl No	USN	Name	Company
1	10X17MBA56	Lakshmi M	Pinclick
2	10Y18MBA26	M K Karthik Manikanta	Pinclick
3	10Y18MBA02	Abhishek D M	Pinclick
4	10Y18MBA47	Shivaraj K	Pinclick
5	10X18MBA03	Adarsh M R	Pinclick
6	10Y18MBA16	Jagadish Chandra R	Pinclick
7	10X18MBA01	Gopi Prashanth	Pinclick
8	10Y18MBA53	Venkatesh G	Pinclick
9	10Y18MBA31	Mohammed Uzaif	Pinclick
10	10Y18MBA45	Shijo Joy	Pinclick
11	10Y18MBA18	Karthik S T	Pinclick
12	10X18MBA05	Akshay Krishna	Pinclick
13	10X17MBA56	Lakshmi M	ICICI Prudential
14	10Y17MBA25	Ranjita Raviraj Gaddadavar	Extra Marks
15	10Y17MBA45	Hemanth Kumar T C	Extra Marks
16	10Y17MBA26	Bindhu Shri M	Extra Marks
17	10Y17MBA34	T. N. Sathish Gowda	Extra Marks
18	10X17MBA20	Ashwini. H.G	Extra Marks
19	10Y17MBA28	Rashmi V N	Kredily
20	10X17MBA07	Ajay Kumar	TVS (NRGC-TVS)
21	10Y18MBA54	Vignesh	DTDC
22	10Y18MBA27	Manish JP	Career Net
23	10Y18MBA11	Dechakka k U	Square Yards
24	10X18MBA01	A Gopiprashanth	Square Yards
25	10X18MBA34	Prajna V Pandey	Square Yards
26	10X18MBA45	Saranya R K	Square Yards
27	10Y18MBA55	Vincypaul. F	Square Yards
28	10X18MBA53	Swathi S	Square Yards
29	10Y18MBA45	Shijo Joy	Square Yards
30	10X18MBA13	Dinesh A	Square Yards
31	10X18MBA40	Rankishor Pradhan	Square Yards
32	10Y18MBA54	Vignesh S S	Square Yards

Department of Engineering Chemistry



Dr. Surekha M
HOD

DEPARTMENT PROFILE

The motto of the department is to provide quality education. The department has two well equipped laboratories for undergraduate Engineering courses. Chemistry is the foundation knowledge upon which all other natural sciences and engineering are built.

The department is eternally engaged in the academic enrichment of students as well as their overall progress by exposing them to the real challenges in the world through participation in various competitions. The department conducts various value-added programs to and seminars to enhance practical knowledge of students.

OBJECTIVES

To know the advances in the chemistry taking place in the different parts of the world and their vast applications to improve the ability to rationally address problems in chemistry. To, insist the concept of the chemistry in the young minds through the observation and the analysis and help them to become competent engineers.

To enable the students to correlate the concepts of chemistry with the core engineering programmes.

RESEARCH ACTIVITIES

The department has a research centre approved by the VTU. The centre is equipped with a laboratory having facilities to study kinetics & Mechanism of few Redox reactions, Green chemistry, Organic Chemistry, Conducting Polymers, Synthesis of Nano-Clay & Nano Particles.

FACULTY ACHIEVEMENT

Dr. Surekha M

- Mr Bhaskar M, Asst. Professor, Dept. of Chemistry, Global Academy of Technology, Bangalore, has completed the comprehensive Viva-Voce on 14.09.2019 under the guidance of Dr. Surekha M.
- Evaluation on the Activity of Surfactant Immobilized and Metal Cation Exchanged

VISION

Our vision is to give our students an in-depth exposure to the latest developments in chemistry made by reputed scientists and experts in this field. To equip individuals capable of learning in the new millennium.

MISSION

Our mission is to provide a contemporary foundation for addressing problems in chemistry. Also, to develop competent engineers with good values and to equip them to face the challenges of the continuously changing world.

- Impregnated Montmorillonite Nanoclays on Oxidation of Benzyl Alcohol, M. Bhaskar1 · M. Surekha · N.Suma, Chemistry Africa <https://doi.org/10.1007/s42250-020-00125-8> original article received: 1 October 2019 / Accepted: 14 February 2020 © The Tunisian Chemical Society and Springer Nature Switzerland AG 2020, Abstract Nanoclay minerals received considerable importance in the field of material applications and org
- Presented paper on 15/06/2020 during national conference NCSEM - 2K20 conducted by TOCE paper entitled " Evaluation on the Activity of Surfactant Immobilized and Metal Cation Exchanged Impregnated Montmorillonite Nanoclays on Oxidation of Cyclohexanol" by Bhaskar M, Surekha M and N Suma
- Mrs Rashmi H M research scholar in the department of chemistry under the guidance of Dr. Surekha M, has completed the course work under VTU Sept 2020.

Dr. Shipra Bhati

PUBLICATION

Shipra Bhati, Synthesis, biological activities and docking studies of piperazine incorporated 1, 3, 4-oxadiazole derivatives, Journal of Molecular Structure, Elsevier, September 2019, 1191, 197-205.

Shipra Bhati, "Computational screening of Thiohydantoin Derivatives for antitumor activity", Research J. Pharm. and Tech, Feb 2020; 13(2):795-800.

Shipra Bhati, "Synthesis, Characterization, Antimicrobial, Anti-tubercular, Antioxidant Activities and Docking Simulations of Derivatives of 2-(pyridin-3-yl)-1H benzo [d] imidazole and 1,3,4-Oxadiazole Analogy", Letters in Drug Design & Discovery, August 2020, 17(8): 1047-1059.

CONFERENCE PAPER

Shipra Bhati, Synthesis, Characterization, Anti-tubercular Activity and Docking Simulations of Novel Sulphonamide Derivatives, International Conference on Innovation and Challenges in Science and Technology (ICICST-2019), 19-23 December, 2019, Don Bosco Institute of Technology, Bangalore.

Mrs. Jyoti M. Ramojwar

PUBLICATIONS

- Electrochemical studies of bright Zn-Ni alloy electrodeposit from acid sulphate bath, Jyoti S. Kavirajwar, S. Basavanna, Journal of electrochemistry and plating technology, ISSN 2196, 19 March 2019, 1-14.
- Role of the newly synthesized brightener in modification of surface properties of Zn-Ni alloy electrodeposited on steel substrate, Jyoti S. Kavirajwar, S. Basavanna, Y. Arthoba Nayaka, Journal of electrochemical science and engineering, ISSN 1847-9286, 9(3) (2019) 175-185
- Influence of a New Brightener on Electrodeposition of Zn-Ni Alloy', Jyoti S. Kavirajwar, S. Basavanna, in 'International Journal of Applied Engineering and Management Letters' (IJAEML), ISSN: 2581-7000, Vol. 4, No. 1, April 2020, 51-60.

CONFERENCE PAPER



- Mrs. Jyoti M. Ramojwar has presented a paper titled 'Influence of a new brightener on electrodeposition of Zn-Ni alloy' in the 'International Conference on Nanotechnology' (NCSEM-2019) held at Srinivas University, Mangalore, Karnataka, on 18-19 October 2019 and received 'BEST PAPER' award.

- Mrs. Jyoti M. Ramojwar has been awarded PhD under VTU Begaum on 19th September 2020 entitled 'Effect of additives on grain refinement and corrosion behavior of nano crystalline zinc coatings'.

EVENTS CONDUCTED IN THE DEPARTMENT: NATIONAL CONFERENCE /WEBINARS / E-QUIZ PROGRAMME/ GUEST LECTURES

- NCSEM - 2K20 paper presentation - paper presentation was conducted by department of chemistry, TOCE on 15/06/2020 during national conference
- Department of chemistry conducted a webinar on "OVERVIEW ON NANO TECHNOLOGY" by Dr. Krupakara, Vice principal, CIT North Campus, Bangalore on 10/6/2020.



E-Quiz programme:

EVENT	DATE
Paper presentation was conducted by department of chemistry, TOCE during national conference NCSEM - 2K20	15/06/2020

Webinar on "OVERVIEW ON NANO TECHNOLOGY" by Dr.Krupakara, Vice principal, CIT North Campus, Bangalore	10/6/2020.
E-quiz on General chemistry	8th, 9th, 10th 23rd June & 3rd, 4th, 6th, 7th July 2020
E-quiz on NBA Awareness	12th and 13th July 2020.
Guest lecture by Prof. G Venkatesh, National College on Liquid Crystals	12.02.2020
Guest lecture by Prof. Sunil Kumar, R L Jalappa College of Engg on 'To know how of life'	18.02.2020
Guest lecture on Awareness Program by B K Megha Deep	16. 8. 2019
Guest Lecture 'Humanity of Positive Energy' by Mr. Sai Chandrashekar	17. 8. 2019

"INDUCTION PROGRAMM FOR THE BE & B-ARCH 1ST YEAR"

FOR THE ACADEMIC (2019-2020)

1st Phase: 11 days during the beginning of First semester
The Oxford College of Engineering has conducted eleven days of induction program for the BE & B-Arch 1st Year students from 09.08.2019 to 23.08.2019 followed by the inauguration. There were many activities conducted for the betterment of the students.

TOCE Faculty team contributes time, energy and expertise to help the students to develop and prosper their future career. The TOCE Student's Alumni Association also addressed the First Year Students and shared their experience and knowledge about the present industrial requirements.



On the inaugural day the Chief Guest, Chairman, Director and Principal of the college presided over the function. All the dignitaries addressed the gathering. It was very useful session especially for the First Year Students. Chairman of the TOCE followed by the Chief Guest, Director and Principal of the college honored the distinguished winners of the VTU sports person of College and the academic Toppers during the inauguration day in order to motivate the First Year Students.

The below mentioned topics like Humanity of Positive Energy, Physical Education activities, Expert Talk on Health Creative Art & Design, Expert talk by Examination Dean, Yoga Session, Personality Grooming, Proficiency talk by language expert, Student's Talent Show, and Feed back Session were conducted by the expert resource persons. The plantation Drive program by MIIRD was also conducted as part of "One Student, One Tree" under the "Hon'ble Primister's idea of a green and health environment". The academic and non-academic matters were also covered during the induction program.



ONLINE WEBINARS ATTENDED BY FACULTY

Name of the faculty	Date	Title of the webinar	Name of the organizer
Dr. Surekha M	09.07.2020	Insights on writing an impactful manuscript	Vemana Institute of technology, Bangalore.
Dr. Surekha M	23.05. 2020	"Two Dimensional Materials for Diverse Applications"	Cambridge institute of Technology, K R Puram, Bangalore
Dr. Surekha M	24.08.2020	How to boost immunity against covid	Presidency College of Engg
Dr. H.N.Gayathri, Dr.Shipra Bhati, & Mrs. Jyoti M	19/6/2020	Application of nano materials: transition metal chalcogenites	CMR University, Bangalore.
Dr. H.N.Gayathri, Dr.Shipra Bhati & Mrs. Jyoti M	10/6/2020	From minerals to futuristic functional materials	St. Josephs college (autonomous) Bangalore
Dr. H.N.Gayathri, Dr.Shipra Bhati & Mrs. Jyoti M	19/6/2020	Utilization of space environment for the advanced research	VVCE, Mysore
Dr. H.N.Gayathri, Dr. Shipra Bhati & Mrs. Jyoti M	13/7/2020	Progress on nano materials and its applications in new technology	AMC, Bangalore
Dr. H.N.Gayathri, Dr.Shipra Bhati, & Mrs. Jyoti M	25/7/2020	Nimbus online training on publishing research articles	Jain Institute of technology, Davanagere

RESULT ANALYSIS:

Subject	Percentage
Engineering chemistry theory	92%
Engineering chemistry lab	100

STUDENT'S ACHIEVEMENTS:

Sl.no	Name of the student	USN	Marks
1	Deeksha M	10X19IS025	96%
2	Inchara	10X19BT013	95%

FACULTY ACHIEVEMENTS:

- Dr. Shipra Bhati achieved cent percent result for-Engineering Chemistry (18CHE12), I Sem ISE, 2019-20.

Online FDP attended by faculty

Name of the faculty	Date	Title of the FDP	Name of the organizer
Dr. H.N.Gayathri, Dr.Shipra Bhati, & Mrs. Jyoti M	22/6/2020 to 26/6/2020	The role of advanced material and nano technology at present scenario	Vemana Institute of technology, Bangalore
Dr. H.N.Gayathri, Dr.Shipra Bhati, & Mrs. Jyoti M	6/7/2020 to 11/7/2020	Research proposals writing opportunities for science and management	Bangalore Institute of technology, Bangalore
Dr. H.N.Gayathri, Dr.Shipra Bhati, & Mrs. Jyoti M	17/7/2020	Metal air batteries, electro catalysts challenges and opportunities	New horizon college of engineering, Bangalore
Dr. H.N.Gayathri & Dr.Shipra Bhati	20/7/2020 to 25/7/2020	Insights on writing research proposal and funding opportunities	St.Joseph engineering college, Mangalore
Dr. H.N.Gayathri & Dr. Shipra Bhati	27/7/2020 to 29/7/2020	Recent advance in composite materials and its applications	Cambridge Institute of Technology, North campus, Bangalore

LABORATORY DETAILS

1. Lab 1-Volumetric Analysis

Area: 200 Sq. mt

Description: Weighing Balance Magnetic stirrer, Oven, Hot Plate, Muffle Furnace, Glass Wares, Distill water water Plant

Conducted Labs: Engineering Chemistry Lab Part-B

Capacity: 30

2. Lab 2 - Instrumental Lab

Area: 175 Sq. mt

Description: PH meter, Potentiometer, Conductometer, Colorimeter, Viscometer, Vaccum Pump

Conducted Labs: Engineering Chemistry Lab Part-A

Capacity: 30



Chemistry Lab I -Volumetric Analysis



Chemistry Lab II - Instrumental Lab

Department of Engineering Physics

DEPARTMENT PROFILE

The Department of Physics is one of the most important departments of the institution. The motto of the department is to provide quality education. The department has two well equipped laboratories for undergraduate Engineering courses. Physics is the foundation science upon which all other natural sciences and engineering are built.



Prof. C H Abdul Kadar
HOD

FACULTY ACHIEVEMENTS

- Prof. Abdul Kadar C.H presented the paper and was given the best presentation award in the topic titled "Absorption of Broadband Electromagnetic waves by Polyaniline-coated Barium Ferrite Nanocomposites" on 8th Dec 2020 organized by Dayananda Sagar College of Engineering, Bengaluru.
- Dr. Shanthala V.S. associate Prof of Physics delivered a talk on "Nanotechnology" in Induction Program Feb-2020

RESEARCH ACTIVITIES

- Prof. Abdul Kadar C.H completed comprehensive viva on 23rd Nov 2020 under VTU

FDP/CONFERENCES / ATTENDED BY THE FACULTY

- Prof. Abdul Kadar C.H attended National conference on "Technical Transformations in Materials, Manufacturing, Design, Automation and Energy Engineering" on 25th Nov 2020 organized by JAIN Deemed to be university
- Dr. Shanthala V.S. attended webinar on "Experimental Data Analysis and Interpretations: PXRD and SEM" on 19th Oct, 2020 conducted by Sai Vidya Institute of Technology, Bengaluru
- Dr. Shanthala V.S. attended webinar on "Latest trend in Piston Technology" on 16th July 2020, organized by The Oxford College of Engineering, Bengaluru
- Dr. Shanthala V.S. attended International webinar on "Laser, Space Programme and Low Temperature Physics" on 27th and 28th of August 2020, organized by Vijaya College, Bengaluru
- Dr. Shanthala V.S. attended National webinar on "Perspectives in Modern Physics" on 29th Aug 2020 conducted by Kuvempu University
- Dr. Shanthala V.S. attended International webinar on "supercapacitors: A Futuristic Energy Storage Device" on Aug. 2020 organized by Sri Sathya Sai

VISION

To inculcate interest in Physics and promote the understanding of it, and also to develop observational and computational skills, which will take the development in technology to new heights.

MISSION

The department has been working towards fulfilling its vision through a synergic combination of teaching and research. The department also strives to promote excellence in technical education and scientific research through the effective use of Physics in real time engineering problems

College for Women, Bhopal

- Dr. Shanthala V.S. attended webinar on "Metal Oxide Nanomaterials for Nanodevice Applications" on 31st July 2020 organized by Sri Kuvempu First Grade College and PG Centre, Ramanagara.
- Dr. Shanthala V.S. attended national webinar on "Fundamentals of Microprocessor" on 24th Aug. 2020 organized by Bherulal Patidar Govt. P.G. College, MHOW
- Prof. Abdul Kadar C.H, Dr. Shanthala V.S. Prof. Hema. B attended National webinar on "Failures of classical Mechanics and Introduction to Wave Mechanics" on 15th Oct. 2020 organized by P.E.S. college of Science, Arts and Commerce, Mandya.
- Prof. R. Leela Rahini, Dr. Shanthala V.S. attended Five Day FDP on "New Generation Solar Cells" from 19th to 23rd Oct 2020, organized by B.N.M. Institute of Technology, Bengaluru

STUDENTS ACHIEVEMENTS - ENGINEERING PHYSICS

Position	USN	Name	Marks
TOPPERS IN VTU EXAM (EVEN SEM)			
First	10X19CS096	SHWETHA.R	98%
Second	10X19CS056	MOHIT SHARMA	94%
TOPPERS IN VTU EXAM (ODD SEM)			
First	10X18BT024	SHREEDEVI.H	91%
First	10X18BT037	PAVITHRA.P	91%

Department of Engineering Mathematics



Dr. Mallikarjun K
HOD

The Department of Mathematics is one of the pioneering departments of the institution. Department serves the institution and the community by providing Mathematics education to Engineering Mathematics, as well as MCA & M. Tech. courses. The department strives to provide a quality education to a diverse student community, which totals well over 3000 students. Engineering courses focus on the principles, methods and applications and provides the Mathematical foundations for all of these in their particular branch of Engineering.

The Department includes 11 faculties and Ph.D. holders had strong preparation in many fields of Mathematics in addition to their commitment to excellence in teaching. Individual members are involved in a number of exciting and creative efforts and in addition to teaching, Mathematics faculties are actively engaged in research in Graph Theory, Fourier series and wavelet transforms, Finite Element Methods, Topology, Numerical Analysis, Operations Research and faculty members participated regularly in refresher courses and national seminars, workshop and symposia conducted by various universities and research institutions.

The department has put forward certain objectives with a mission and vision for the future.

Where students can grow exponentially. Responsive to society as a whole. Thus, today's engineering students need to be rooted primarily in principles, not techniques.

AWARDS AND HONORS

- Congratulations to Prof. Hemalatha N.C., for obtaining Ph.D. award, "A Study on Roman Domination in Graph", under the guidance of Dr. Mallikarjun K., (VTU).
- Congratulations to Prof. Sreenivasa Reddy Perla for obtaining Ph.D. award, "A Pragmatic Study on Mathematics inequalities", (VTU).

RESEARCH ACTIVITIES

- Prof. Selastina Mary has completed Ph.D. Comprehensive Viva Voce on 19.2.2020. Under the

VISION

We envision that our department will continue to grow as an intellectually stimulating environment that attracts engineers who have a knack for interdisciplinary research. We hope that the department will play a central role in bridging fundamental sciences and engineering.

MISSION

Our mission is educating our students to excel in their work as well as mentor the next generation of engineers. We provide engineering Mathematics with theoretical and application oriented technique and making them successful personally & professionally.

guidance of Dr, Mallikarjun K., Research Centre: The Oxford College of Engineering (VTU), Bangalore.

- Prof. Smita Deshpandehas completed Ph.D. Comprehensive Viva Voce on 19.2.2020. Under the guidance of Dr, Mallikarjun K., Research Centre: The Oxford College of Engineering (VTU), Bangalore.
- Prof. Moumita Kali Chatterjee has completed Ph.D. Comprehensive Viva Voce on 19.2.2020. Under the guidance of Dr, Mallikarjun K., Research Centre: The Oxford College of Engineering (VTU) Bangalore

RESEARCH PAPERS PUBLISHED:

- Dr. Mallikarjun K. and Sridhara K. R., Transitive Domination Polynomial of a Graphs, Studies in Indian Place Names (UGC Care Journal), ISSN: 2394-3114, Vol 40, Issue: 70 March 2020.
- Dr. Mallikarjun K. and Sridhara K. R., Vertex Polynomial of Middle Line and Total Graphs of some standard Graphs, International Journal of Management and Humanities (IJMH) (ISSN:2394-0913, Volume-4, Issue-8 April 2020.

- Dr. Mallikarjun K. and Moumita Kali Chatterjee, Degree domination Number of a graph, GIS Science Journal, An UGC Care Approved Group II Journal, ISSN NO: 1869-9391, Volume 7, Issue 6, June 2020 / Website:www.gisscience.net
- Dr. Sreenivasa Reddy P., has published a paper 'A study on Compartmental models, Epidemiological Characteristics and Stability Analysis of pandemic COVID-19' in INDIA, GIS Science Journal, Volume 7, Issue 6 June 2020.
- Dr. Sreenivasa Reddy P., has published a paper on Schur Harmonic Convexity of Related Function for Holders Inequality with Application - International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 8224-8235.
- Dr. Sreenivasa Reddy P., has published a paper on Schur Geometric Convexity of Related Function for Holders Inequality with Application - EJPAM.

RESEARCH PAPERS - COMMUNICATED:

- Dr. Mallikarjun K. and Sridhara K. R. Accurate domination Polynomial of a Graph, International Journal of Engineering Science and Management-A Multidisciplinary Publication of VTU.
- Dr. Mallikarjun K. and Sridhara K. R., An Atlas of Accurate Domination Polynomials of Connected Graphs of order at most six, International Journal of Engineering Science and Management-A Multidisciplinary Publication of VTU.
- Dr. Mallikarjun K. and Prof. Selastina Mary has communicated a research paper entitled Transitive Domination Number of Graph in Mili Publication .
- Dr. Mallikarjun K. and Prof. Selastina Mary, Connected Transitive Domination Number of a Graph in NCSEM conducted on May 5th 2020, TOCE, Bangalore.
- Dr. Mallikarjun K. and Prof. Smita Deshpande, Maximal Domination Number of a Graph in Mili Publications.
- Dr. Mallikarjun K. and Prof. Smita Deshpandeh, Accurate Transitive Domination Number of a Graph in NCSEM conducted on May 5th 2020, TOCE, Bangalore.
- Prof. Sandhya Rani G., "A Global Optimization Algorithm for unconstrained non-linear Optimization problems using Chaotic Neuron map and Golden Number".
- Prof. Sandhya Rani G. Analysis of Chaotic Maps for Global Optimization & a Hybrid Chaotic Pattern Search Algorithm

DEPARTMENT ACTIVITIES

Organized Webinars / Quiz

And Numerical Integration and its Applications on 01-07-2020.

- Operations research for faculty members.
- Complex Analysis, Probability and statistical Methods for students.
- Advanced Calculus and Numerical Methods for students.
- Discrete Mathematics for students and faculty members.
- Pioncers in Mathematics for students and faculty members.
- Graph Theory for students and faculty members.
- Probability Theory-1 for students and faculty members.
- Probability Statistics for students and faculty members.

WEBINARS ATTENDED BY STAFF MEMBERS:

- Dr. Mallikarjun K. has attended 16 webinars
- Dr. Hemalatha N C has attended 3 webinars
- Dr. Sreenivasa Reddy P. has attended 24 webinars
- Prof. Selastina Mary A. has attended 7 webinars
- Prof. Smita Deshpande has attended 7 webinars
- Prof. Sandhya Rani G. has attended 6 webinars
- Prof. Sujatha S. has attended 8 webinars
- Prof. Vanitha V. has attended 6 webinars
- Prof. Lavanya B. S. has attended 3 webinars

FACULTY ACHIEVEMENTS

The following staff member achieved 100% result in Discrete Mathematical Structures, VTU exams held in 2019-2020

Prof. Selastina Mary A.

STUDENTS ACHIEVEMENTS

The following student scored 100 out of 100, VTU exams held in DEC-2019/JAN-2020, guided by Prof. Vanitha V.



In 18MAT31
Aradhana M. K.
USN: 10X18IS012



In 18MAT11
Arkesh V Kumar
USN: 10X19CS011

School of Architecture



Prof. Pranoti Nagaraj
B. Arch, M.U.P, AIA, FITPI
PRINCIPAL



Prof. Kirti Vinaykumar
B. Arch, M. Arch (HABITAT DESIGN)
HOD

PRINCIPAL

Ar. Prof. PRANOTI NAGARAJ is multiple award winning Architect / Urban Planner with keen interests in Art, Culture, Urban Design & Vertical Farms. She is also an accomplished Artist, Muralist and Curator. With more than 30 years of rich & diverse experience in Architecture, Planning and Art has also designed Architectural and Interior projects in DUBAI, OMAN, TANZANIA and LIBERIA. Equally active in Architectural Education. Presented Papers in Vernacular Architecture, Earthen Architecture, Talks on Art in Architecture. Guided students' theses which won prestigious awards and recognitions.

Ar. Prof. Kirti Vinaykumar is an Architect, Habitat Designer and an academician with more than 17 years of teaching and industry experience, worked for various govt. projects, NGOs and private firms with keen interests in art and Architecture. Presented various National and International papers. The Oxford School of Architecture is growing with multiple visions to establish an independent 'State of the Art Campus' for the Oxford School of Architecture, which will cater to the growing needs of the building industry by providing qualified Architects and Allied Professionals and to create an independent, innovative and educative platform with State of Art facilities for the study of Architecture through multi-dimensional approaches and to create Design professionals who understand the challenges of the contemporary world. And also to establish TOSA as the most preferred and distinguished Centre for Architectural Education as well as Innovative learning Platform

VISION

"To create an independent, innovative and educative platform with State of Art facilities for the study of Architecture through multi-dimensional approaches and to create Design professionals who understand the challenges of the contemporary world.

To establish TOSA as the most preferred and distinguished Centre for Architectural Education as well as Innovative learning Platform".

MISSION

"To build an institution of international standards and to create an environment for fostering creativity and growth in the field of Architecture and allied disciplines".

DEPARTMENT ACTIVITIES (2019 -2020)

SEMINARS

- "Green building concepts, construction materials & zero energy building concepts" by Asst. Prof. Abhilash B L on 01. 23rd April 2019. Organised Ar .Prof. Pranoti Nagaraj, Principal TOSA
- Influence of informatics in the construction industry on 2-14th May 2019. By Syam Madanapalli, Director NTT DATA services Organised by Ar. Prof. Pranoti Nagaraj, Principal TOSA
- INTERNSHIP & MASTER STUDIES (India & Abroad) on 3-13th June 2019 by Ar. Prof. Pranoti Nagaraj, Principal TOSA
- Understanding Architecture: Built Environment & Space on 4-20th Aug. 2019
- By .Prof. Pranoti Nagaraj, Principal TOSA

GUEST LECTURES

- Special construction techniques for High Rise on 5-15th June 2019 By Engr. Mr. Mridul Naidu, Assistant Manager
- Planning and Coordination Synergy Property Development Pvt. Ltd. Bengaluru Organised by Ar. Prof. Pranoti Nagaraj, Principal TOSA
- META & PERFORMATIVE ARCHITECTURE:
On 6-8th Aug. 2019. by Ar. Prof. Nagaraj Y S, SJB College of Architecture, Organised by Ar.Prof. Rupa Swamy & Kavitha Kamath
- EXPLORING NEW INTERIOR MATERIALS at TILE PRINT / VENEERS & LAMS Experience Stores, RV Road, Bangalore on 7-13th Aug. 2019, by Ar. Prof. Pranoti Nagaraj & Mr. Lal Achwani
Organised by Ar.Prof. Pranoti Nagaraj, Principal TOSA
- ART in ARCHITECTURE
Art projects by ETHOS Art & Design Studio on 8-20th Aug. 2019, By Ar.Prof. Pranoti Nagaraj, Principal TOSA
- Screening on META & PERFORMATIVE ARCHITECTURE 9-29th Aug. 2019 For Sem-7 students by Ar. Prof. Pranoti Nagaraj

TOSA
Webinar Series : 02

SPECIAL LECTURE & PRESENTATION

TECHNOLOGY INTEGRATION

INFLUENCE OF INFORMATICS IN CONSTRUCTION INDUSTRY

BIG DATA CLOUD COLLABORATION/ INFORMATION MANAGEMENT MODELING SIMULATION INTERNET OF THINGS

SYAM MADANAPALLI
Director IT Services Business
NTT DATA Systems
Member of Connective Technologies
Winner
2019 iIT Thought Leadership Award
778 Ppt, 21 posters, 2 papers, 1 book
(Awarded by the Indian Institute of Technology, Bombay)

Joined by
ASHWARYA JANKA
Student
M.Tech. Information Systems, Ph.D. degree
IIT Bombay

UDISHA NAGARAJ
Student
M.Tech. Architecture, Design & Planning
IIT Bombay

Organized by
Ar. Prof. Pranoti Nagaraj, VSRM GROUP
Architectural Planner & Design Chair, TOSA

Co-ordinator
Ar. Prof. Rupa Swamy, Principal TOSA

Platform : ZOOM CONFERENCE
Meeting ID: 958 2803 1544

WEBINAR
ON
UNDERSTANDING URBAN DESIGN & PLACE MAKING

TOSA

Sem 8 B.Arch AD Studio URBAN DESIGN

PRESENTATION
by
Ar. Prof. Pranoti Nagaraj
24 Mar 2020

1. WHAT IS URBAN DESIGN
2. UNDERSTANDING DATA
3. SWOT & ITS IMPORTANCE
4. STRATEGY DEVELOPMENT
5. CASE STUDIES

15ARC 8.1 – ARCHITECTURAL DESIGN - VII (ARCHITECTURE IN URBAN CONTEXT)

Platform : ZOOM CONFERENCE
Meeting ID: 958 2803 1544

WORKSHOPS

- BAMBOO WORKSHOP IN LALBAGH on 10-18th Sept. 2019
- ARCHES AND DOMES on 11-18th Nov 2019. By MRINAMAYEE Organised by Ar. Prof. Kirti Vinay wKumar
- EXHIBITION of ALTERNATIVE BUILDING MATERIALS on 12-14th Nov. 2019. Organised by Ar. Prof. Kirti Vinay Kumar
- EXHIBITION of THESIS WORKS EXHIBITION at TOSA Award on 13th Feb-Mar 2020. winning Thesis Projects Organised by Ar. Prof. Pranoti Nagaraj, Principal TOSA
- ACADEMIC related SITE VISITS (Sem 7 Students AD-7)
 - a. Chowdiah Memorial Hall, Bangalore 17th Aug 2019 (10.00am -1.00 pm)
 - b. Indian Music Experience, JP Nagar, Bangalore 17th Aug. 2019 (10.00am -1.00 pm)
 - c. TERI Bangalore 19th Aug. 2019 (10.00am -1.00 pm)
 - d. PONDICHERRY / AUROVILLE 28th Aug. 2019

STUDY TOUR (2019 -2020)

NORTH INDIA (JAN 20/01/20 - 29/01/20)

Every year study tours and site studies are conducted for students of 2nd year and 4th year of TOSA, to explore and study the architecture of various places and monuments. Students and teachers participate equally enthusiastically. This year the places visited were Ahemadabad, Mount Abu, Jodhpur, Udaipur, Jaipur, Agra

FACULTY ACHIEVEMENTS (2019 - 2020)

PAPERS PUBLISHED:

1. Ar. Prof. Pranoti Nagaraj, Principal TOSA
"Recreating Cultural Landscapes Through Earthen Architecture"
Paper published Aug. 2019
2. Er. Asst. Prof. Swati Masuti
"Performance Based Evaluation of RCC, Steel, and Composite Building by Pushover Analysis".
Paper published in IJSART, E-Journal Volume 5, issue July 2019



SI NO	PAPER	AUTHOR
1	SYSTEM OF INDEPENDENCE -Blind and Visually impaired Education and Research center	SYED SANJANA, Sem 10 TOSA Bangalore
2	COMMUNITY FARMING -with education and self-employment	MD. ZAIR BELGAMI, Sem10 TOSA Bangalore
3	MULTI FUNCTIONAL SPACES THROUGH URBAN DESIGN INTERVENTION: RTO INTEGRATED BUS DEPOT	S NAMRATHA, Sem 8 TOSA Bangalore
4	ARCHITECTURAL TECHNOLOGIES in Post Pandemic design trends	Ar. UDIKSHA NAGARAJ KAPINI Architect Student MS Architecture(BIS) GeorgiaTech, Atlanta USA
5	ECOSPACE Institute for waste management studies & Research	MONIKA VALASE, Sem 10 TOSA Bangalore
6	HYBRID Co-work Stitch Coimbatore	UZMA FATIIMA, Sem 10 TOSA Bangalore
7	FIRE STATION AND FIRE MUSEUM Bangalore	P V BHARADWAJ, Sem 8 TOSA Bangalore
8	CENTRAL PRISON AND CORRECTIONAL HOME, Ernakulam, Kerala	CLINSON CHACKO, Sem 10 TOSA Bangalore
9	OCEANARIUM - An ICONIC SUSTAINABLE LANDMARK near Kochi	SAPNA MANJUNATH Sem10 TOSA Bangalore
10	FIKA Performing Art through the eyes of a Pandemic	RAHUL R, Sem 8 TOSA Bangalore
11	URBAN CENTRE Amalgamation to form identity and community living	PEARL LOBO, Sem 8 TOSA Bangalore
12	GREEN TECHNOLOGIES, SUSTAINABILITY & ECO-FRIENDLY CONSTRUCTION METHOD BASED DESIGN FOR "AYURVEDIC RETREAT AND SPA RESORT" IN GOA	ARUN C M, Sem 10 TOSA Bangalore
13	INSTITUTE OF PSYCHIATRIC HEALTH At Pune	Kavya EM Sem10 TOSA Bangalore
14	HYDROPOLIS: "A sustainable future through Landscape design Interventions by Water harvesting"	Ar. RUTUSHA NAGARAJ KAPINI, Architect & Landscape Designer in Florida USA
15	CITY RHYTHMS ...a context of Bangalore	Ar. Prof.KIRTI.VINAYKUMAR Principal In charge TOSA Bangalore
16	FUTURE AGRIPOLIS The new Placemaking in Cultural Landscape	Ar.Prof. PRANOTI NAGARAJ, Principal & Professor Bangalore

FACULTY DEVELOPMENTS PROGRAMME:**1. Ar. Rupa Swamy**

FDP, webinars attended.

"Go Green Design Thinking," organised by DSATM, Bangalore.

Terrain 2020- Re-discovering urban landscape, organised by Ramaiah Institute of Technology, Bangalore.

2. Ar. Anupa Suguraman

FDP, webinars attended.

"GO GREEN DESIGN THINKING," organised by DSATM, Bangalore.

Terrain 2020- Re-discovering urban landscape, organised by Ramalah Institute of Technology, Bangalore.

3. Ar. Kusuma M

FDP, webinars attended.

"GO GREEN DESIGN THINKING," organised by DSATM, Bangalore.

4. Er. Swathi

FDP, webinars attended.

"GO GREEN DESIGN THINKING," organised by DSATM, Bangalore.

International Webinar on "POTENTIAL OF MASONARY STRUCTURES"

organised by East West Institute of Technology, Bangalore.

5. Ar. Kavitha Kamath, 6. Ar. Kirti Vinakumar
FDP, webinars attended.
"GO GREEN DESIGN THINKING,"
organised by DSATM, Bangalore.



(Recognized by the Govt. of Karnataka, Affiliated to Vijayavara Technological University, Belga & Approved by A.I.C.T.E New Delhi & Council of Architecture)
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WEBINARS at TOSA 16/05/2020 to 05/06/2020

Organised by

Ar.Prof. Pranoti Nagaraj Design Chair

Moderator: Ar.Prof. Kirti.Vinay Kumar

Award winning Graduate & Master thesis projects

16th May 2020 (Tuesday) 9:30am-10:30 am on Zoom
RODOLFO BARRAL / TOSIA ALARIN
Smart Model VITA, S. ADO, ILIC from USA

17th May 2020 (Wednesday) 9:30am-10:30 am on Zoom
1. URBAN DESIGN / Award winning thesis
2. CAPSTONE / LANDSCAPE PROJECT / Thesis Awarded by ASLA USA
3. URBAN DESIGN GROUP PROJECT / (Winning Entry) Awarded by ASLA USA

18th May 2020 (Thursday) 9:30am-10:30 am on Zoom
By Mr. TYLER MADARNALI / Cleveland, OH / ZTC / Dallas, TX USA
Internet of Things Services Business Supported by
1. URBAN DESIGN / (Student, MS Architecture, Georgia Inst. of Tech., Atlanta, USA)
2.

19th May 2020 (Friday) 9:30am-10:30 am on Zoom
1. ADVANCED / JAKKA / Graduate, MS in Information Science, Pittsburgh, USA

Award winning Graduate & Master thesis projects

21st May 2020 (Wednesday) 9:30am-10:30 am on Zoom
1. NIKETI PANJARI / (M.Sc. / USA Master Thesis / Architecture Project)
AND
2. RACHANA PRASAD / (M.Sc. / USA Master Thesis / Urban Design / Master Thesis project)

22nd May 2020 (Thursday) 9:30am-10:30 am on Zoom
MAXIMA / Academic projects / URBAN PLANNING / METHODOLOGIES
23rd May 2020 (Friday) 9:30am-10:30 am on Zoom
DEEPA SAMADHOLI / Student / MS-Plan, CEPT University / Ahmedabad

24th May 2020 (Saturday) 9:30am-10:30 am on Zoom
POSSIBILITIES after Architecture / Designing your learning journey
25th May 2020 (Sunday) 10:30am-11:30 am on Zoom
SWEETHA KRISHNAN

Award winning Graduate thesis project

26th May 2020 (Monday) 10:30am-11:30 am on Zoom
SHOAN PHILIP

27th May 2020 (Tuesday) 10:30am-11:30 am on Zoom
Green building Concepts / Construction Materials & Zero Energy Building Concepts / MIMM / MODULE 4

28th May 2020 (Wednesday) 10:30am-11:30 am on Zoom
By Prof. ABHIR KASHI B L

29th May 2020 (Thursday) 10:30am-11:30 am on Zoom
By URBAN DESIGN / (Student, MS Architecture, Georgia Inst. of Tech., Atlanta, USA)



TOSA

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Department, Oxford Road, Singapore - 20008

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TOSA RECONNECT ALUMNI

Presenting

Award winning Academic Works

URBAN DESIGN PROJECTS

CAMPUS LANDSCAPE PROJECT

GROUP PROJECT (Winner by CPA USA)



CPA USA

2016 - 19th ASLA 2017 US

First - 32nd US

Publication - Contemporary Architecture

<https://www.asla.org/2016/02/22/2017-us/>

US 144015750

© 2017 Oxford School of Architecture

ASLA Award Winner - 19th ASLA 2017 US

ASLA Award Winner - 32nd US



RISHANA NAGARAJ KAPUR

© Nick M.A.

Recently completed placement in landscape architecture studio during PG 1st Year

WILL Award by ASLA

ASLA Award Winner - 19th ASLA 2017 US

ASLA Award Winner - 32nd US

ASLA Award Winner - 19th ASLA 2017 US



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Tamil Nadu Open School
Tamil Nadu Open School Series - 10

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CONSTRUCTION INDUSTRY

BIG DATA

CLOUD COLLABORATION

INFORMATION MANAGEMENT

MODELING

SIMULATION

INTERNET OF THINGS

WEBINAR

TOSA CONNECT



DR. SYAM MAHALINGAM
Director of Service Business
IT Skills Group
TCS Education, Hyderabad
www.tcseducation.com
Phone: 9845 4607 7600 | 9845 4607 7601



DR. SUBRAMANYA
Associate Professor
TCS Education, Hyderabad



DR. GEETHA MAHALINGAM
Associate Professor
TCS Education, Hyderabad

Date: 28th May 2022, Tuesday
Time: 4:00pm (IST) Quarter-hour
Platform: Zoom Conferencing
https://tcsedu.zoom.us/j/9903031544
Meeting ID: 990 2031 1544
Join by mobile: +91 9845 4607 7600

Organized by TCS Education Support, Chennai
Approved by TCS Education Support & TCSA, Chennai



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Mission: To ensure that every student has the opportunity to succeed.



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May 17, 2020

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A preview for our institution







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May 17, 2020

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Presenting
Urban Planning Academic Projects

Urban Planning Methodologies





































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Hawthorn

TOSIA CONVENT

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Email: devora@tosia.com.au

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Melbourne VIC 3000
Australia
Tel: 03 9412 1234
Fax: 03 9412 1235
Email: devora@tosia.com.au

TOSIA GALLERY
111 Lark Street
Melbourne VIC 3000
Australia
Tel: 03 9412 1234
Fax: 03 9412 1235
Email: devora@tosia.com.au

Note: All event video recordings available on request

Online Felicitation 22 July 2020

The Oxford School of Architecture



TOSA Top 5
2014-2019 BATCH 3

RANK- 1



SWATHI T
1OX14AT064

RANK- 2



MEGHANA K M
1OX14AT036

RANK- 3



DEEPTHI N
1OX14AT015

RANK- 4



IRENE ANN KOSHY
1OX14AT025

RANK- 5



FARHEEN HUSSAIN
1OX14AT018

CONGRATULATIONS



Certificates & Medals by
Ar.Prof. Pranoti Nagaraj ETHOS Art & Design Studio
Bangalore





TOSA

Webinar Series : 10

NCSEM 202X

Online

HYDROLIS

"A sustainable future through Landscape design Interventions by Water harvesting"

THE OXFORD SCHOOL OF ARCHITECTURE
Bommenahalli, Hosur Road, Bangalore - 560088
Ph No: 080-61759001 | E-mail: osoa@theoxford.edu
Web: www.theoxford.edu

15th July 2020

NATIONAL CONFERENCE

ON
**SCIENCE ENGINEERING
MANAGEMENT & ARCHITECTURE**






RUTUSHA NAGARAJ KAPIN
B.Arch, TOSA Landscape with - City Urban Design
FNU, USA

Merit Awards by ASLA
(American Society of
Landscape Architects USA)
Faculty Honoris Wards
FNU, USA
B.Arch (Gold Medal), VTU
TOSA (Bangalore)

Chairperson

DR. MALESHWARIE
Dean, Architecture
The Oxford School of Architecture
Bangalore

DR. MANOJ KUTTY
Dean, Engineering
The Oxford School of Engineering
Bangalore

DR. PREETHA SHARAN
Dean, Design
The Oxford School of Architecture
Bangalore

Track Co-Chair

Dr. Prof. KIRTI VENKATRAM
President of the
The Oxford School of Architecture
Bangalore

Moderator

Dr. Prof. PREETHA SHARAN
Dean, Design
The Oxford School of Architecture
Bangalore

Co-Moderator

Dr. Prof. JAYASHA DONGRE
Dean, Design
The Oxford School of Architecture
Bangalore



TOSA

Webinar Series : 10

THE OXFORD SCHOOL OF ARCHITECTURE
Bommarahalli, Hosur Road, Bangalore- 560055
Ph No: 080-41754671 E-mail: director@oxfordschool.ac.in
Web: www.oxfordschool.ac.in

NCSEM 202X

Online

16th July 2020

NATIONAL CONFERENCE

on

SCIENCE ENGINEERING

MANAGEMENT & ARCHITECTURE

“CITY RYTHMS”

A context of Bangalore













Dr. S. V. NARASIMHARAO
Vice-Chancellor
TOSA



Dr. S. V. NARASIMHARAO
Vice-Chancellor
TOSA



Dr. S. V. NARASIMHARAO
Vice-Chancellor
TOSA

Dr. S. V. NARASIMHARAO
Vice-Chancellor
TOSA

Dr. S. V. NARASIMHARAO
Vice-Chancellor
TOSA

Dr. S. V. NARASIMHARAO
Vice-Chancellor
TOSA



Department of English



Ms. Jessy Koshy
HOD

English is one of the languages which are used almost in all parts of the world. As an International language, English has become an important subject to be mastered by all of students in all countries, either for communicative purposes or for academic purposes.

The world may not have a global language, but English is the default option for countless forms of communication across the globe. That's why one of the benefits of learning English is that it significantly boosts your hiring potential. Not only is it an appealing credential on your resume, but it's also statistically proven to increase your hiring potential. English is the primary language of business throughout the world. Most international business transactions, including emails, memos, reports and contracts, are written in English. It's also the language of international communication, the media and the internet, so learning English is important for socializing and entertainment as well as work! It holds an important place in our life and serves as a window to the world.

In India, where the business process outsourcing (BPO) and Information Technology boom has led to a demand for 'Trained' English language speakers and 'Learned' workers, particularly, the youth should understand the accents, characters and cultural differences. People who want to learn the language have to expose themselves constantly to English, read, listen and grab every opportunity to speak.

Apart from the language lab we conduct English classes for all the FIRST-YEAR courses of B.E, MBA, MCA, Nursing, Physiotherapy, Pharmacy and Dental (BDS) students where we take care of grammar, writing skills, phonetics and group discussions to improve their communication skills.

Keeping in view the increasing importance of English for career purposes we have a well-furnished English Language Lab with the software "English Lab Solutions" provided by Globarena which consists of Forty Systems with head phones. The software is a learning kit which helps student enhances their Communication and Employability Skills. The software has English Lab, Career Lab and Aptitude Lab as a three-year course. We also have "WORDS WORTH" software for the English Language Training.



Central Library



Mrs. Suprabha.S
Chief Librarian

LIBRARY PROFILE

The Oxford College of Engineering library was established in the year 2000. It is a main resource of knowledge, which is an integral and important part of our institute of higher learning. The library aims to stock all the books and periodicals that the students and faculties are Science, Management, Science & Technology and Humanities. Addition to this, MBA,MCA library, B.Architecture library and eleven more Departmental libraries are also functioning under this Library & Information Centre.

Most of the Library services like books issue / return/ renewal, OPAC search and other library activities are computerized by using "LIBSOFT" an integrated library software. Students and faculties can utilize the library regularly in an effective manner.

Students and Faculty members can utilize their College ID cards as library cards to borrow books and get other library service. Showing their ID cards Students can borrow 3 books for 15 days and addition to this 2 more books will be issued for SC/ST students from Book Bank library for 30 days. Faculty members can borrow 4 books for 3 months duration. Fine will be imposed if not return in stipulated due date. E- Journals and internet facility available in the Library.

- develop collection of reading material useful for various courses.
- provide full information support to the teaching-learning process in the college.
- provide various library services and facilities to the readers.
- support research activity for its progress and qualitative development.

VISION

To build the library as a center for Excellence in accessing the right information at a right time to the right user.

MISSION

To embrace the principle of excellence in advancing the teaching, learning, research, and service mission of the Institute through the acquisition, organization and management of collections for access and use, through the provision of reference and instructional services, and through a variety of collaborative and reciprocal

LIBRARY COMMITTEE

For smooth functioning of Library and its activities every year college constitutes Library Committee. The main objective of library committee is to decide and adopt policies to govern the management and programme of the library, to prepare the annual budget, rules and regulations of the library. The committee also looks into student's grievances, if any. The committee consists, of Principal as Chairman, Chief Librarian as Coordinator, any one of the Department HOD as Library Chief Coordinator and senior faculty members from each department are as library coordinators.

NAME OF THE STAFF	QUALIFICATION	DESIGNATION
Mrs.Suprabha.S	M.Li.Sc., M.Phil.	Chief Librarian
Mr. J.Narayana Swamy	B.Com., M.L.I.Sc	Asst. librarian
Mr. Umesh S.L	M.A., M.L.I.Sc	Asst. librarian
Mrs.Amitha Kumari D	M.Li.Sc.,M.Phil.,	Asst. librarian
Mr.Sunil Kumar.T	M.L.I.Sc.,	Asst. librarian
Mr.Prem Kumara.V	M.L.I.Sc.,	Asst. librarian
Mr.Kiran.J	M.L.I.S.c,	Asst. librarian
Mr.Abhishek.S	M.L.I.S.c,	Asst. librarian
Mr. Charan Kumar B.A	B.A.,B.Li.Sc.,	Lib. Assistant
Mr. Sudharshan M	D.Lib Science	Lib. Assistant
Mrs. Padmavathi R V	S.S.L.C	Attender
Mr. Arun M	S.S.L.C	Attender

LIBRARY STAFF

LIBRARY SOURCES

- 56,788 volumes of text books and reference books with different titles
- Bound Volumes of Printed Journals 1350
- Books oriented CD's 3085
- VTU Consortium E - Resources & E- Journals.
- IP based VTU Consortium Online Databases Access.
- Book bank facility for SC & ST Students
- Earlier Exam question papers collection.
- News papers & general Magazines. Internet access facility. Reprography / Document Scanning

LIBRARY SERVICES

1. Borrowing facility Circulation
 - 1.1. Each Student:3 Books for 15 Days
 - 1.2. Faculty Members: 4 Books for 90 Days
 - 1.3. Non-Teaching Staff: 2 Books for 30 days
 - 1.4. Reference Material should not be issued
2. Book Bank Facility: 2 Books will be issued to SC/ST Students for 30 days

3. Reference Services
4. OPAC Search
5. News Paper Clipping Services
6. Selective Dissemination of Information Service
7. Current Awareness Service (CAS)
8. Inter Library Loan Service
9. E- Journals & E - Resources Access
10. Reprography services

LIBRARY USAGE

Adopted Open access system & users can select the required book very easily by themselves

OPAC Search; (Online Public Access Cataloguing) by this, users can search the book details like author, title, publisher and availability of books in the library by themselves.

Total 25 computers for browsing purpose

Well educated & well experience staff always ready to give better services.

Always ready to answer for the quires.

A. CENTRAL (BE UG & PG) LIBRARY

GROUND FLOOR	MEZZANINE FLOOR
1. Sign in/Sign Out Entry	1. OPAC Search
2. OPAC Search	2. Text Book Stack Area
3. Text Book Stack Area	3. Department of ME
4. Department of ECE	4. Department of Auto. Engg.
5. Department of EEE	5. Department of CTM
6. Department of CSE	6. Department of BT
7. Department of ISE	7. Department of Civil Engg.
8. Reading Area	8. Book Bank Books
9. Reference Room	9. Science & Humanities
10. Circulation Counter	10. Reading Area
11. Periodical Section	11. Periodical & Bound Volumes
12. Technical Section	
13. Newspaper Section	
14. E-Journal Access	
15. Librarian Cabin	

MBA, MCA Library 7TH Floor New Building	B.ARC Library
Sign in/Sign Out Entry OPAC Search MCA Text Book Stack Area MBA /MCA Book Bank Books MBA / MCA Reference Books Reading Area Circulation Counter E-Journal Access Librarian Cabin Periodical & Bound Volume	New Building Ground Floor OPAC Search B Arc Text Books Area Reading Area Circulation Counter E-Journals Access Librarian Cabin Other Services



News Papers & Magazines Reading Section



Internet & E Resources Access



Journals Reading Section



Library Stock Area & Reading Section

Research Activities 2019-20



Dr. B.K. Manjunath

Prof & Head, Biotechnology

Dean Research, TOCE

The Research Committee aim is to serve as interface between faculty and funding agencies (Government and Non Government) through gathering and disseminating information about the availability of various research grants to execute their novel innovative ideas. The effort of RCC yielded in motivating faculty to apply their research concepts to the funding agencies and we are proud to state that,

- Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a project grant of Rs 5 lakhs from NIF, Ahmedabad for the project entitled "Nanotization of Potential Indigenous Herbal Medications for Reducing Blood Pressure".
- Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a grant of Rs 4,78,758/- from AICTE under AQIS 2019-2020, for conduct of FDP titled "Bio-innovation, Patenting & Entrepreneurship Opportunities in Biotechnology for sustainable Environment".
- Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a grant of Rs 4,06,333/- from AICTE under AQIS 2019-2020, for conduct of STTP titled "Startup Driven Bio innovation and IOT for sustained Agritech".
- Dr. Preetha Sharan, Prof of ECE has obtained a research grant of Rs. 15,52,941/- AICTE under research promotion scheme Rs. 15,52,941 for the project titled "health monitoring system for indian railway track and wheel using fiber Bragg grating sensor". 2020.
- Dr. Preetha Sharan, Prof of ECE has obtained a research grant of Rs. 25,00,000. From Vision Group of Science and Technology (VGST) under the scheme CENTRES OF INNOVATIVE SCIENCE AND ENGINEERING EDUCATION (CISEE) 2020 to establish "Design and development of fibre Bragg grating sensing system for monitoring Handgrip muscle fatigue".

The Research committee of The Oxford College of Engineering, keeps providing "Techno-platforms" to its faculty and students by organizing Webinars, Symposium, Conferences, Techno-meet during which eminent Scientists across the globe from various Research institutes, Industry & Academia visit the institute to interact with students and faculty. NCSEM (National Conference on Science, Engineering & Management) is one such event which is being organized since 2016. NCSEM 2k20 is unique in the sense it was a Virtual conference, which had series of Brain storming sessions from 24 eminent personalities across the Globe. NCSEM-2k20 registered, 1400 delegates across the Nation, providing them a platform to interact with reputed scientists from USA, Germany, Australia, China & Malaysia, 800 delegates presented their Research findings through virtual mode. It was a great success and well appreciated by all delegates and invitees.

The organizing chairs for the conference were Dr. B K Manjunath, Dean Research, TOCE, Prof & Head; HOD, Dept of Biotechnology; Dr. Preetha Sharan, Prof, Dept of ECE; Dr. Bharath V S, Prof & Head, Dept of EEE. The Virtual Conference NCSEM 2k20 provided an excellent opportunity for the participants to interact through online sessions, present papers and enter discussions with other delegates, to engage more people in new and meaningful ways, to build their community, to explore new realm of online events and move on to a digital event platform.

The committee is involved in synchronizing and encouraging research activities carried out by the members of the faculty of various departments and to provide guidelines for framing the proposals. The committee provides platform for teacher-led student research projects. Continuous effort of RCC resulted in enhanced participation of teacher-led student research projects to state funding agency KSCST under Student Project Promotion Scheme, we are proud to state that following Final Year Students secured financial assistance for their research ideas under 43rd Series of Student Project Programme: 2019-20.

Sl.no	Project sanction no.	Title of the project	Department	Guide	Students
1.	43S_BE_0613	Eyes system of humanoid skull	Electronics and Communication Engineering	Dr. Manju devi	Mr. Kanhaiya kumar makharia Mr. Kiran kumar. Mr. Kiran Kumar b.c. Mr. Jeetendra Kumar
2.	43S_BE_0625	Automated waste segregation and sterilization by uv radiation	Mechanical	Prof. T V nagaraj	Mr. Shivasagar V P Mr. Pramod kumar Mr. Vishnu dev V R Mr. Sharath kumar
3.	43S_BE_0629	Recycling of p.e.t plastic using fused filament extrusion process	Mechanical engineering	Mr. Shivakumar	Mr. Mahamed jawad M Mr. Nishanth K R Mr. S sanjay Mr. Gajendra a
4.	43S_BE_2219	Performance and emission characteristics of internal combustion engine fueled with three bio-diesel blends.	Automobile engineering	Dr. Raju B R	Mr. Zufi Naiyar Mr. Andrew jairaj A P Mr. Rijith S Mr. Akshay kumar N
5.	43S_BE_2480	W. A. L. T. E. R. (water air & light transforming energy resources)	Mechatronics	Dr. Yashoda B S	Mr. Mohammed Mansoor Mr. Afnan pasha Ms. Saba Fathima Mr. Syed Danish Hussain
6.	43S_BE_3150	Areca hybrid composites for automobile applications	Automobile engineering	Mr. Prasanna S M	Mr. Prashanth S Mr. Rajath V Kashyap Mr. Shaik Hammad Ms. Spoorti Patil

With the objective of fine tuning the technical skills of the students at TOCE, the Research Committee inaugurated Developer Student Clubs powered by Google on 12th October 2020. DSC-TOCE conducts series of brain storming sessions on cutting edge technologies by inviting domain experts and conducting workshops on various application software's to augment web development skills, design thinking skills and leadership skills.

The committee encourages product development and commercialization of technology developed by our students & faculty, the faculty in the institute work on societal relevant problems and develops scientific solution for the same, to note a few,

Department of Biotechnology is developing a Bioremediation kit 'PETROZAP' which consist of a unique fungi with specially designed nutrient pack, capable of degrading various toxic hydrocarbon/oil waste/oily sludge. The project is financially supported by DBT-BIRA, Govt. of India (40 Lakhs) under the supervision of Dr.B.K.Manjunath, Prof & Head, Dept of Biotechnology.



Department of Electronics & Communication Engineering is developing a low cost myoelectric Multipurpose Robotic Hand designed & manufactured using 3D printing technology. These hands are purely mechanical and less complex than other devices. It is tested effectively for its use, which helps in aiding the needy person who lost his hand. This project was carried out by Meghana K S, Malathi N, Chandra S V, Deepa R under the guidance of Dr. Preeta Sharan,.



Multi-Purpose Humanoid Skull is a robust solution to devastating Locust Swarm device for smart and efficient farming practices and a device is capable of customization for enormous security system. This project was carried out by Kanhaiya Kumar Makharia, Kiran Kumar S, Kiran Kumar B C, Jeetendra Kumar under the guidance of Dr. Manju Devi, HOD, Department of Electronics & Communication Engineering.

It gives us immense pressure to announce that the student project entitled "Protection and Monitoring of Lake using Smart Device" was adjudged for 'Special Award-Mobility for Impact' during BEST PROJECT AWARD ceremony for IEEE Student Humanitarian Technology Project (SHPT) organized by IEEE Bangalore Section on October 9. The cash prize of 8,000 was given for the project. The project was carried out by Akhilesh Patil, Kuppam Venkata Sai Dinesh, Sumeet Kulkarni, Sharan A under the guidance of Dr. Preeta Sharan, Department of Electronics & Communication Engineering.



The project titled "Bionic Hand for Amputees" won prize in IEEE Project Expo-2019, the fourth national level project competition organized by IEEE Student branch, GSSS Institute of Engineering and Technology for women, Mysuru and IEEE Women in Engineering Affinity Group. The project was carried out by A P Pavan Kumar Reddy, M Nivin, B N Srividya, Akshatha Ashok Banakar under the guidance of Dr. Preeta Sharan, Department of Electronics & Communication Engineering.



Reconstruct
Tolerate
Hannu
Develop
Share
Optimistic
Achieve
Faithful

NSS Activity Report



Dr. K. THARAKA RAMI REDDY
Professor-Dept of Management Studies
NSS Co-Ordinator

1. On 10th July, 2019 · PLANTATION DRIVE (GREEN INDIA- CLEAN INDIA), in association with BrahmaKumaris Foundation. Department of Chemistry, The Oxford College of Engineering had conducted plantation drive in the campus as per the direction of Hon'ble HRD Minister Ramesh Pokriyal Nishank. This program was launched a new campaign "One Student One Tree" in line with the Hon'ble Prime Minister Narendra Modi's idea of a green and healthy environment.

On 8th September, 2019- PARTICIPATION IN 'CAUVERY CALLING'- An action oriented campaign to revive the Cauvery river Launched by ISHA Foundation.



2. On 11th September 2019- WATER CONSERVATION CAMPAIGN-JAL SHAKTI ABHIYAN. During SWACHHATA PAKHWADA - 2019, NSS unit of The Oxford College of Engineering, Bangalore organised 1-day 'Swachhata Pakhwada' with the theme of 'Jal Shakti Abhiyan' in the campus. As part of the 'Jal Shakti Abhiyan', the college has formed a team of volunteers from department of Civil Engineering to study and monitor the status of water conservation activities. On 20th August, 2019, A workshop was also organized on Sewage Treatment Plant by Mr. Somashekar R and Mr. Satish Kumar in the Department of civil engineering.



3. On 1st October 2019- SWACHHTA HI SEVA 2019 (PLASTIC WASTE FREE CAMPAIGN). In the first phase, of the three-phased massive Swachhata Hi Seva campaign, The Oxford College of Engineering has created the awareness to stop the single use plastic.

On 2nd October 2019 - the institute participated in the second phase of the campaign "SHRAMADAAN & NATIONAL PLEDGE". All Teaching and Non- Teaching staff & Students took a pledge against the plastic use. All the participants took oath to stop the single use plastic and to promote the ban of single use plastic in all possible ways.



4. On 2-3rd October, 2019 - COMMEMORATING 150TH BIRTH ANNIVERSARY OF MAHATMA GANDHI- In commemoration of birth anniversary of Mahatma Gandhi, a two day programme on Plastic Waste Shramadaan in the college campus is organised. With a focus on Plastic Waste Management, the institute participated in the second phase of the campaign "PLASTIC WASTE SHRAMADAAN"



5. On 26th November, 2019- CLEBRATION OF 70TH ANNIVERSARY OF "INDIAN CONSTITUTION DAY/ SAMVIDHAN DIVAS" & WATCHING THE LIVE STRAEM FROM PARLIAMENT. NSS Unit of The Oxford College of Engineering, Bommanahalli, Bangalore has taken up the initiation and made arrangements for watching live programme from the central Hall of Parliament to commemorate the 70th Anniversary of Indian Constitution

6. On 31st October, 2019 - NATIONAL UNITY DAY - RASHTRIYA EKTA DIWAS, on the occasion of the 144th birth anniversary of the Iron Man of India, Sardar Vallabhbhai Patel. A ceremony of Pledge taking is organized to support the cause of promoting unity and celebrating "National Unity Day" in the college premises. A Collaborative pledge taking ceremony is administered 120 students participated from The Oxford College of Engineering.



7. On 7th November, 2019-VIGILANCE AWARENESS PROGRAMME- 2019 was organized by the Department of MCA, TOCE. The vigilance competition emphatically aimed to promote integrity, transparency and accountability in public life. The Chief Guest was Mr.Tejinder Pal Singh, Deputy General Manager & Regional Office, Bangalore, South-Bank Of Baroda. Mr.Sukesh Hedge, National Kabaddi Player and employer of Bank of Baroda was the guest of Honor. Are the keynote speakers .



8. On 17th October, 2019- BLOOD DONATION CAMP' in Association with ROTARY CLUB, BANGALORE. The National Service Scheme (NSS) was organized a blood donation camp in the college premises. The doctor from Rotary Club delivered the speech extolling those who had donated their blood. 130 donors includes students, Teaching & Non-Teaching staff have participated and donated blood in this camp.



9. On 22nd February, 2020- MATRIBHASHA DIWAS CELEBRATION under EK BHARAT SHRESHTHA BHARAT PROGRAMME. The programme was graced by Dr. K. Amarnath, Director & Dr A S Aravind, Principal, The programme was witnessed different performances displayed by some students, staff and faculty members and their wards in different languages. As a part of the celebration, Students organized a Skit, highlighting Multilingual Heritage' reflecting the spirit of Ek Bharat Shreshth Bharat, sang Songs, performed Dance, Fashion Walk and made Speech in their mother tongue. Prof Sahana informed about history, significance and objectives of celebrating MATRIBHASHA DIWAS.

From IEEE Desk, Branch Counselor



Dr Preeta Sharan

IEEE Student Branch Counsellor

The Oxford College of Engineering started the IEEE student branch during 2011. It has Geo Code for TOCE-STB 08641, School Code-60020461, and Region Code-R10. Various activities have been done under IEEE student branch for the benefits of the student community, which is helpful in their growth & career.

There are 20 Student members and few Professional members representing IEEE Photonic Society and Computer Intelligence Society.

The important office bearer of IEEE student branch at TOCE from Bangalore Section is as follows:

- Dr. Preeta Sharan - Vice-Chair, IEEE Photonic Society, IEEE Branch Counselor TOCE.
- Dr. Manju Devi - Student Membership Development in-Charge, IEEE Photonic Society.
- Dr. M.S. Shasidhara - Senior Member

Mr. Anup Upadhyaya - The Student Internship Coordinator, IEEE Photonic Society

AWARDS & RECOGNITIONS

The Oxford College of Engineering got approval from IEEE USA to start the Photonics chapter along with EMB Society.

- Dr. Preeta Sharan got Photonic Excellence Award for the year 2018 from IEEE Photonic Society, Bangalore Section.
- Selected Projects for IEEE Bangalore Section -Humanitarian Technology Project Funding 2020 (IEEE BS-SHTPF 2020)

IEEE STUDENT ACTIVITIES

The following is a list of some activities that Student Branches have undertaken in the recent years:

- Host an annual event to welcome new members.
- Schedule speakers on technical or professional subjects from reputed Institutes around Bengaluru.

- Participate in IEEE conferences.
- Students participate in engineering awareness programs.
- IEEE photonics society, Bangalore Section has introduced student membership drive 2019-2020, where IEEE member from different colleges in Bangalore chosen their mentor from expert committee of IEEE.



Dr. Pushpmala DSC, Dr. Manu Devi, Dr. Divya CDAC and Dr. Preeta Sharan during session

Department of Physical Education



Mahesh G

Director of Physical Education and Sports



Shruthi BT

Physical Education Instructor

Sports Committee 2019-2020

S no	Name	Dept
1	Mahesh G	Sports
2	Shruthi B T	Sports
3	Shoba T	CSE
4	Divakar	BT
5	Dr. M Kathiravan	MBA
6	Deepa	EEE
7	Ashok	MCA
8	Abishek	CIVIL
9	Veeresh	ECE
10	Abijith	ME
11	Deepak	AUTO
12	Anupama	ARCH
13	Chethan	M T
14	Channapa Gowda	ISE



Our student Kowshik M N of dept ME has represented VTU in all India inter university hockey (Men) team at Bangalore central University from 13-16th October 2019.

Our student Ajay A of dept AUTO has represented VTU single zone taekwondo competition (Men) held at GAT Bangalore from 21-22nd October 2019 Secured 3rd place.



Our student Sheetal Prakash of dept B ARCH has represented VTU single zone swimming competition (Women) held at RIT Bangalore from 18th Sept. 2019 Secured 3rd place

SELECTED TO REPRESENT INTER UNIVERSITY TOURNAMENTS



Our student Akarsh of dept CIVIL has represented VTU in all India inter university kho-kho (Men) team at SRM University CHENNAI (TN) from 24th to 28th October 2019.

Our student Brunda of Department of Civil has represented VTU single zone Athletic competition (Women) walk race held at GNDCE BIDAR from 18th Sept. 2019 Secured 3rd place.



The oxford college of engineering has won the institute cash award for sports and cultural achievement from VTU for the year 2019-20



Our college chess women's team represented VTU inter zone competition to be held at SJMIT Chithradurga from 20-22nd August 2019



OUR COLLEGE SPORTS TEAMS PARTICIPATED AND SECURED MEDALS FOR THE VTU



Kho- kho team (men)



KHO- KHO TEAM (WOMEN)



VOLLEY BALL TEAM (MEN)



VOLLEY BALL TEAM (WOMEN)



ATHLETIC (MEN & WOMEN)
TEAM 2020



FOOT BALL (MEN)



CRICKET TEAM (MEN)



KABADDI TEAM (WOMEN)



HOCKEY TEAM (MEN)





Dr. B.K. Manjunath
Dean Research, Prof. & HOD
Department of Biotechnology



Dr. Preeta Sharan
Prof., Department of ECE



Dr. Bharath V.S.
Prof & Head
Department of EEE

NCSEM 2K20

In the dynamic and competitive environment, it is very challenging for the Engineering Education Institutes to prepare future leaders and engineers, to follow the rhythm of the fast and global development. The 21st Century Engineers should have the capability to deal with global issues and address sophisticated, multidisciplinary and multicultural problems. Hence, the educational institutes are not just constrained to knowledge transfer from teachers to students, but are also involved in knowledge assimilation, generation, and spreading. The Oxford College of Engineering aims at providing a platform for Industry-Academia event interaction by inviting domain experts, researchers and innovators from academia, R & D and industry in the related fields and creating a forum for knowing what is happening in the research arena, to identify and conceptualize new ideas and to share their valuable findings and thoughts.

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PRESENTS



NCSEM-2K20
VIRTUAL ONLINE

**NATIONAL CONFERENCE
ON
SCIENCE, ENGINEERING, MANAGEMENT & ARCHITECTURE.**

**15th & 16th JULY
2020**

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Dr. Nareesh Chand
Associate Vice President, Chapter
Relations IEEE Photonics Society,
NJ, USA.



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Fax : 080 2573 0551

E-mail: adn@theoxford.edu

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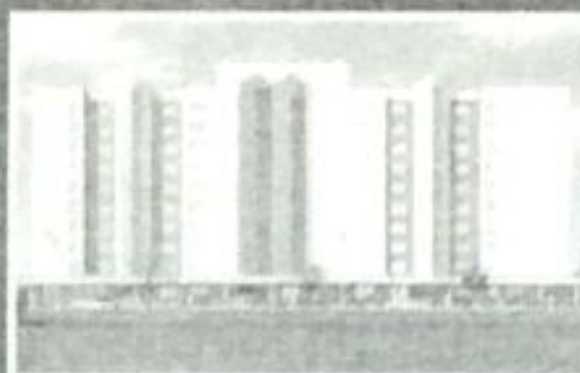
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